

The Impact of Alternative Inflation Adjustments on CPS ASEC Income Statistics*

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Summary

In its annual report *Income and Poverty in the United States*, the U.S. Census Bureau presents historical income and earnings statistics that are adjusted for inflation. A variety of price indices produced by federal statistical agencies are available for this adjustment. Currently, the income and earnings series are adjusted using derivations of the Consumer Price Index for All Urban Consumers (CPI-U), including the CPI-U Research Series (R-CPI-U-RS), produced by the U.S. Bureau of Labor Statistics. However, the CPI-U might overstate the real change in the cost of living because it does not fully account for consumer substitution among goods and services as relative prices change. Chained price indices address this potential bias. This paper documents the implications of using such indices to adjust income and earnings based on suggestions by a recent Interagency Technical Working Group on Consumer Inflation Measures. This paper compares the use of two alternative inflation series -- the Chained Consumer Price Index for all Urban Consumers (C-CPI-U) produced by the Bureau of Labor Statistics and the Personal Consumption Expenditures Price Index (PCEPI) produced by the Bureau of Economic Analysis -- to the current method to understand the impact on historical median income and earnings dating back to 1967. Using the combined C-CPI-U and PCEPI measure, inflation-adjusted median household income increased approximately 45 percent between 1970 and 2020, compared to 30 percent according to the current method. Inflation-adjusted median earnings for full-time, year-round workers increased 32 percent between 1974 and 2020 using the chained measures as compared to 18 percent using the current method. There were no statistically significant differences in inflation-adjusted annual median household income or earnings growth among full-time, year-round workers using the chained measures compared to the current method between 2015 to 2020.

* This paper was developed to promote research and advancements in our understanding of income measurement. All errors are those of the authors. Any views expressed, including those related to statistical, methodological, technical, or operational issues, are solely those of the authors and do not necessarily reflect the official positions or policies of the U.S. Census Bureau. The U.S. Census Bureau reviewed this data product for unauthorized disclosure of confidential information and approved the disclosure avoidance practices applied to this release: CBDRB-FY21-282. All comparative statements have undergone statistical testing and are statistically significant at the 90 percent confidence level unless otherwise noted.

1. Introduction¹

In its annual report *Income and Poverty in the United States*, the U.S. Census Bureau presents historical income and earnings statistics from the Current Population Survey's Annual Social and Economic Supplement (CPS ASEC) that are adjusted for inflation. A variety of price indices produced by federal statistical agencies are available for this adjustment.

Currently, the report uses the Consumer Price Index Research Series using Current Methods (R-CPI-U-RS), produced by the Bureau of Labor Statistics (BLS), to inflation adjust median income and earnings statistics from 1978 onward.² The R-CPI-U-RS retroactively incorporates the numerous improvements made to the most well-known and widely-used inflation index, the Consumer Price Index for All Urban Consumers (CPI-U). For years 1967 through 1977, Census uses inflation estimates from the CPI-U-X1 series, an experimental series that preceded the R-CPI-U-RS.³ For prior years, Census uses a backwards projection of the R-CPI-U-RS, assuming the same ratio between the R-CPI-U-RS and CPI-U as there was in 1967. Hereafter, these estimates are referred to as Census's "current method" for inflation adjusting historical income and earnings estimates.

Despite the improvements made to the CPI-U and incorporated into the R-CPI-U-RS, neither measure fully accounts for how consumers shift consumption in response to changes in relative prices, and thereby both risk overstating increases in the cost of living. Inflation measures that better account for consumer substitution are known as "chained" measures. Examples include the Chained Consumer Price Index for Urban Consumers (C-CPI-U) produced by BLS and the Personal Consumption Expenditures Price Index (PCEPI) produced by the Bureau of Economic Analysis (BEA). Instead of measuring how the same mix of goods and services changes from a certain base period, these measures identify how consumers' cost-of-living changes in adjacent periods.

By better accounting for current consumer behavior, the C-CPI-U and PCEPI are widely considered to be less biased measures of price-adjusted income and earnings. A recent report issued by an Interagency Technical Working Group on Consumer Inflation Measures (ITWG, 2021) outlined a list of principles related to the proper application of alternative price indices and provided a flowchart to help users choose the best index for a particular purpose. Census Bureau's need to inflate historical median nominal household income was provided as an example of how to apply these principles and use the flowchart. In this example, the ITWG report suggests that following these principles the Census Bureau should adjust its historical median

¹ This paper presents data on median income and earnings in the United States based on information collected in the 1968 to 2021 Current Population Survey Annual Social and Economic Supplements (CPS ASEC) conducted by the Census Bureau. The source and accuracy of the estimates, information on confidentiality protection, sampling error, non-sampling error, and definitions are available at: <https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar21.pdf>.

² In 2001, the U.S. Census Bureau began using the CPI-U-RS to adjust historical income estimates for changes in the cost of living (DeNavas-Walt et al, 2001). In 2021, the Bureau of Labor Statistics (BLS) renamed the Research Series (CPI-U-RS) the Retroactive Series (R-CPI-U-RS). In this paper and all other associated content, it is referred to as the R-CPI-U-RS. While the R-CPI-U-RS is used to adjust the historical income and earnings series, the CPI-U is used to adjust poverty thresholds.

³ BLS created the CPI-U-X1 to estimate the inflation rate in the CPI-U when applying the current rental equivalence method of measuring the cost of homeownership for years prior to 1983.

income series using the C-CPI-U from 2000 onward, the PCEPI for the period 1959-1999, and the CPI-U for the pre-1959 period.

This paper discusses the motivation for this potential change, summarizes the relative merits of these alternative inflation indices, and documents implications for the CPS ASEC's historical estimates of income and earnings. Specifically, the paper reports trends in median income and earnings using these alternative inflation indices for households and workers as well as key demographic groups, such as sex, race and Hispanic origin, householder age, and full-time, year-round workers. The paper also includes a discussion of logistical issues that Census staff face in publishing inflation-adjusted historical estimates of income and earnings, including whether the C-CP-U is available in time to meet the production schedule of the *Income and Poverty in the United States* report each September.

2. Alternative inflation indices

There are multiple inflation measures – each with its own function, scope, coverage, and formula – available to the Census Bureau for the purpose of adjusting its historical median income series. The Interagency Technical Working Group report considered multiple measures that the Census Bureau could use, including the CPI-U (1913-present), R-CPI-U-RS (1978-present), the PCEPI (1959-present), the C-CPI-U (2000-present), the *initial* C-CPI-U values (2000-present), the CPI-W (1978-present), and the R-CPI-E (1982-present). Alongside the currently used measure (R-CPI-U-RS), this paper considers the two chained indices: the C-CPI-U and the PCEPI. The following section summarizes each of these measures, as well as the CPI-U, and highlights their relative strengths and weaknesses.

To produce its inflation measures, BLS collects price information for more than 80,000 goods and services from around 6,000 housing units and 23,000 retail outlets across 75 geographical areas at least every other month. These prices are collected through a combination of in-person visits and telephone calls to households and establishments, as well as through internet research. BLS divides these tens of thousands of goods and services into 243 groups (known as item strata) from 32 local areas, for a total of 7,776 item-area combinations.⁴

Separately, and in partnership with the Census Bureau, BLS collects information on consumer spending patterns from the Consumer Expenditure Survey (CE). The CE is a monthly survey of spending patterns from thousands of households across the country. BLS uses these data to identify the share of overall consumer spending dedicated to each item strata.

a. CPI-U

CPI-U is the most widely used and recognized inflation measure. The index is based on spending patterns of the broadest subset of the US population (nearly all residents in urban and metropolitan areas) and covers the longest period of time (1913-present).⁵ In 1999, BLS

⁴ Refer to the CPI handbook at <https://www.bls.gov/opub/hom/cpi/> for more information about how households and establishments are sampled and how BLS accounts for changes in available goods and services, outlets, and product quality.

⁵ The CPI does not track spending patterns of people residing in nonmetropolitan rural areas, such as those in farm households, people in the Armed Forces, or those in institutions, such as prisons and mental hospitals.

introduced the R-CPI-U-RS, which, as discussed above, is a modified historical series that incorporates the improvements made to the CPI-U from 1978 onward.

To produce a single index from all monthly item-level price changes, BLS weights each change according to that item-area's share of total consumer expenditures, as measured in the CE, in a specified base period. Specifically, price changes are aggregated by computing either a geometric mean or a ratio of arithmetic means (a Lowe, or modified Laspeyres, index). The expenditure share weights are updated every two years and remain fixed during the interim period.⁶ In effect, this means the CPI-U and the R-CPI-U-RS assume that consumers purchase the same quantities of goods and services across this two-year window, regardless of how the cost of those goods and services might change. Not accounting for the fact that consumers might more rapidly substitute toward relatively inexpensive items (less of a good if the price rises and more if it falls) means the index risks overstating increases in consumers' actual cost of living (known as upper-level substitution bias).

b. C-CPI-U

In 2002, BLS introduced the Chained Consumer Price Index for all Urban Consumers (C-CPI-U). The C-CPI-U is available back to 2000. BLS uses the same data on prices and spending patterns, as well as the same sample of US residents, to construct the C-CPI-U as it does for the CPI-U. The difference between the two indices is that the C-CPI-U is designed to account for how consumers adjust spending when relative prices change.⁷ The index aggregates price changes using a Tornqvist formula and weights based on consumers' *current* expenditures, as opposed to the CPI-U, which, as explained above, weights items based on expenditure shares from a specified based period.⁸ By weighting price changes according to consumers' current consumption, the index better reflects changes in consumers' actual cost-of-living.

Since expenditure data for the reference month are not immediately available, BLS releases initial estimates of the C-CPI-U alongside the monthly CPI-U estimates. These estimates are based on preliminary weights, calculated from a model of consumer spending response. When additional expenditure data become available, BLS revises these weights and publishes new interim estimates every quarter. C-CPI-U values are not finalized until the expenditure data from all relevant quarters becomes available, which can be 10 to 12 months after publication of the initial estimates.

c. Personal Consumption Expenditures Price Index (PCEPI)

The Bureau of Economic Analysis (BEA) also produces price indices, including the Personal Consumption Expenditures Price Index (PCEPI), which tracks changes in the prices of a wide array of goods and services purchased by consumers, as well as by non-profit institutions that serve

⁶ The CE's sample size is too small to measure shares within item-area bins in any given month, so these shares are also averaged over a longer reference period (currently 24 months). The biennial weighting updates started in 2002. Between 1998 and 2002, weights were calculated with a 1993-1995 base period. Before then, weights were updated intermittently.

⁷ Refer to <www.bls.gov/cpi/additional-resources/chained-cpi-questions-and-answers.htm>.

⁸ See Kurtzon (2021) for a discussion of why the alternative formula matters less to the differences between the CPI-U and the C-CPI-U than the different weighting scheme.

households.⁹ BEA does not collect price or consumption data on its own, so the PCEPI aggregates data collected by BLS to construct the CPIs and Producer Price Indexes (PPIs). The PCEPI is available from 1959 onward; it is the only chained inflation index whose series is available for the entire timespan of the Census Bureau's historical median income series using the CPS ASEC.

The PCEPI's primary application is macroeconomic analysis, not consumer-focused purposes like the application considered here. For example, the PCEPI incorporates consumption data from non-consumers and tracks spending patterns using the PPI, as opposed to the CE. Though it largely tracks the same goods and services, some items in CPI-U are out of scope for the PCEPI, and vice versa.

Like the C-CPI-U, the PCEPI accounts for substitution when relative prices change, though the PCEPI uses a different formula (Fisher-Ideal) for aggregating price changes than the CPI-U (Lowe) and the C-CPI-U (Tornqvist). Like the C-CPI-U, the PCEPI aggregates price changes using weights according to contemporaneous expenditure shares, but unlike the C-CPI-U, those shares are estimated from surveys of businesses, not households.

The advantage of the PCEPI relative to the C-CPI-U is it provides a consistent inflation series that spans the entire historical income series. The disadvantage is that the PCEPI is not meant for household and consumer focused analyses, so the input prices and sample are not as appropriate to this application.

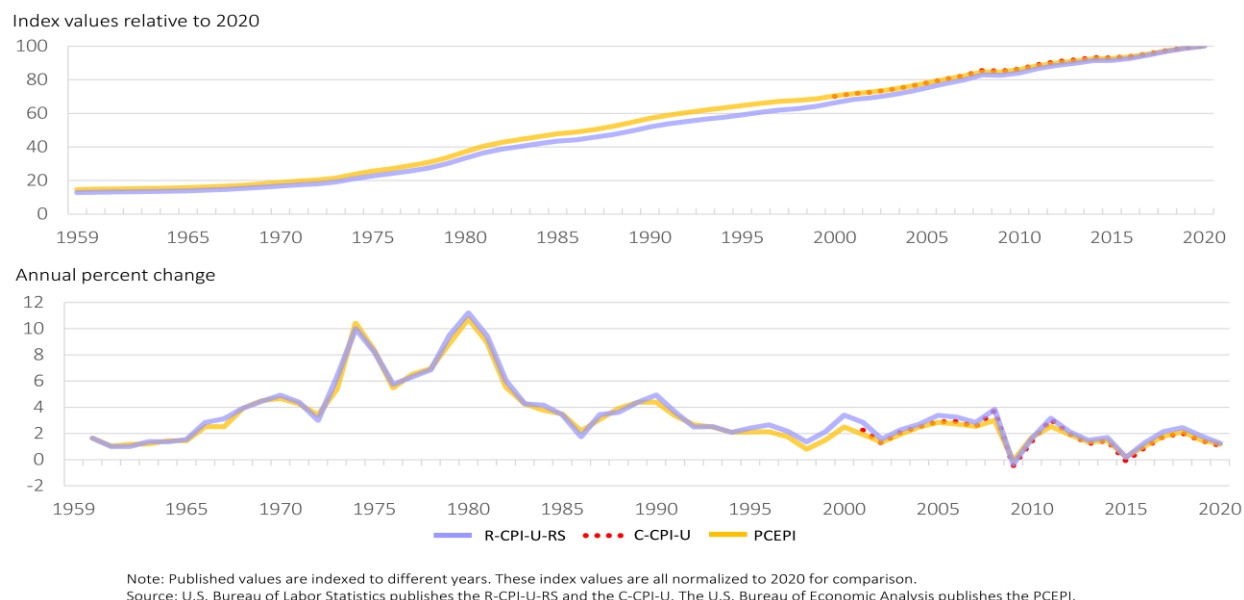
3. Results

Figure 1 compares the estimated inflation indices of the R-CPI-U-RS, C-CPI-U, and PCEPI (normalized to year 2020) and compares the annual percent change within each index from 1959 to 2020. Recall that the C-CPI-U is only available from 2000 onward, and the PCEPI series begins in 1959. Between 2000 and 2020, the compound annual growth rate in the C-CPI-U and the PCEPI have been an average of 0.27 percentage points and 0.29 percentage points lower than for the CPI-U, respectively.¹⁰ The compound annual growth rate in prices as measured by the C-CPI-U was 1.79 percent, as compared to 1.77 percent in the PCEPI, 2.06 percent in the CPI-U, and 2.07 percent in the R-CPI-U-RS. These small annual differences have a limited effect on estimates of annual growth in median income, but compound to have large impacts on estimates of inflation-adjusted income over longer periods of time.

⁹ Refer to <www.bea.gov/data/personal-consumption-expenditures-price-index>.

¹⁰ A simple arithmetic mean is not appropriate for averaging percent changes in these indices for multiple periods. For example, the average of a 50% increase in t=1 followed by a 50% decrease in t=2 does not imply an average change equal to zero. Instead, the more appropriate rate of return formula to calculate the compounded average percent change over this period is applied.

Figure 1.
Comparing Price Index Values: 1959 to 2020



The following figures and tables report trends in historical median income and earnings for households and workers using three different inflation series: (1) the current method, (2) the C-CPI-U from 2000 onward combined with the current method for prior years, and (3) the C-CPI-U from 2000 onward combined with the PCEPI for prior years. By relying solely on chained indices, the latter series is the one that best aligns with the ITWG’s recommendations. Accordingly, this paper focuses its comparisons between the chained-only series and the current method.

Figure 2 and Table 1 present trends in historical median household income from 1967 onward. The figure makes clear how the impact of the alternative inflation indexes grows over time. Real median household income in 2019 adjusted to 2020 dollars using the R-CPI-U-RS (current method) is not statistically different than the estimate using the C-CPI-U. For 2000, the median income estimate in 2020 dollars adjusted using the R-CPI-U-RS (current method) is \$63,292, which is 5.7 percent higher than the estimate (\$59,876) adjusted using the C-CPI-U. For 1967, the estimate of median household income in 2020 dollars using the current method (\$48,537) is 12.3 percent higher than the estimate using the C-CPI-U and the PCEPI for earlier years (\$43,236).

Figure 2.
Household Median Income using Alternative Price Indices: 1967 to 2020

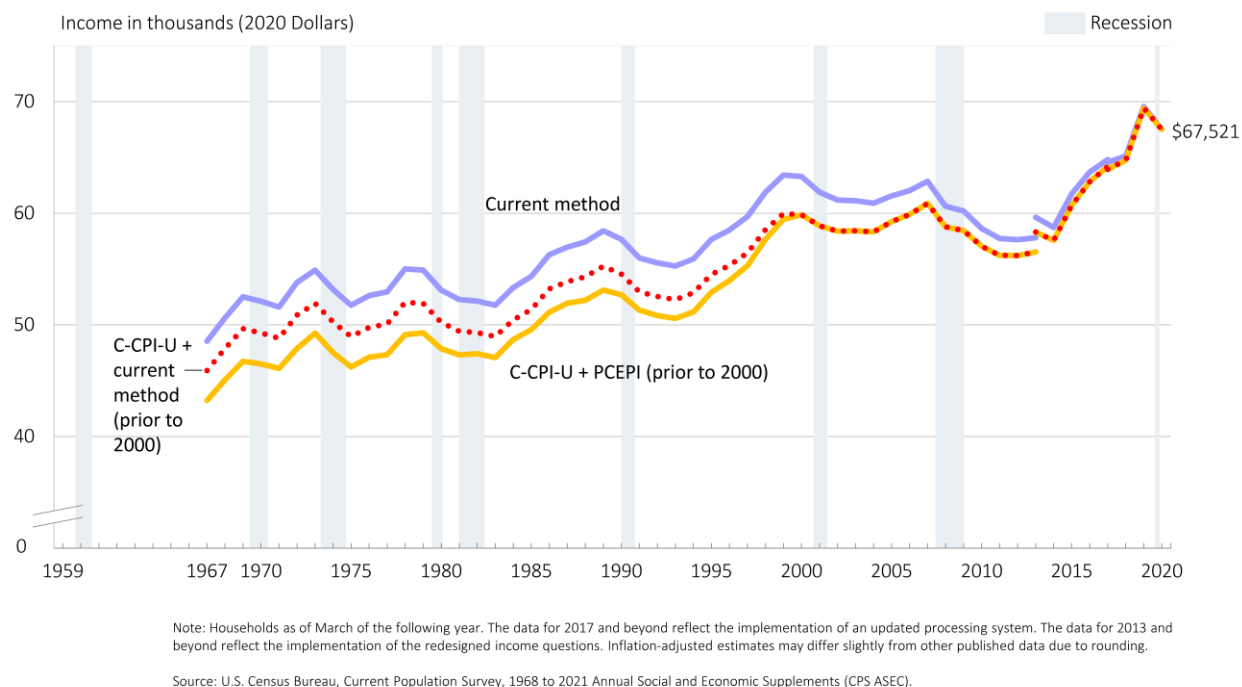
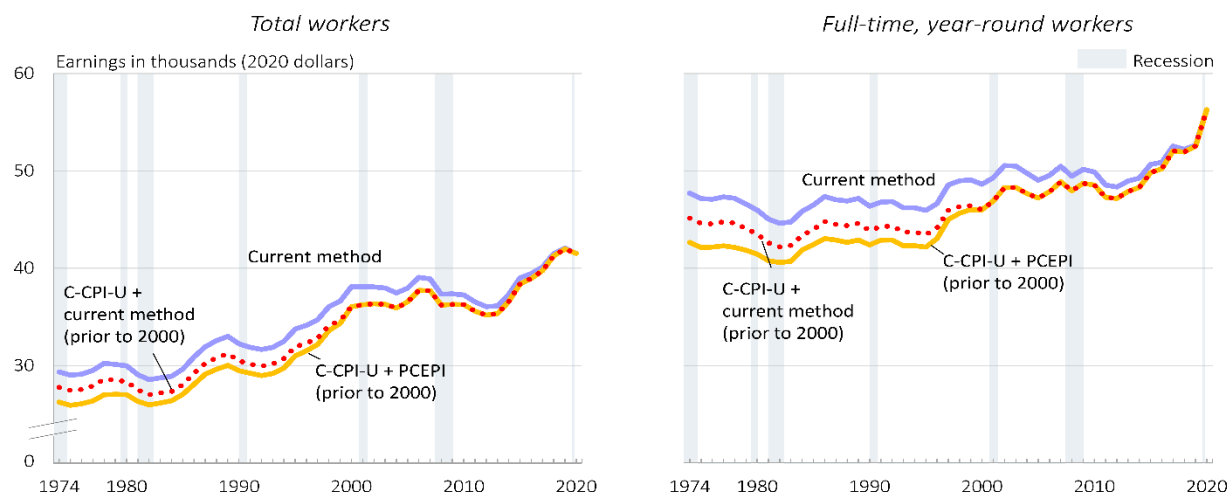


Table 2 provides historical median income estimates using the different inflation indices in 2020 dollars by race and Hispanic origin, and Table 3 provides the same estimates for householders age 65 years and over.

Figure 3 and Table 4 report trends in real median earnings among total and full-time, year-round workers according to the three inflation measures from 1974 onward. The real median earnings of full-time, year-round workers in 1974 is 11.8 percent higher when using the current method than when using the combined C-CPI-U and PCEPI (prior to 2000) and 5.7% higher using the combined C-CPI-U and CPI-U-RS (prior to 2000).¹¹

¹¹ Standard errors for the 1974 median estimates of full-time, year-round workers (both sexes combined) are not available, but standard errors of median earnings for full-time, year-round working men and women are available historically. To determine statistical uncertainty for the combined sex median, an average of the ratio between the standard errors of the 1974 median and the 2020 median of full-time, year-round working men and women was applied to the 2020 median standard error of both sexes combined to create a 1974 standard error.

Figure 3.
Median Earnings Using Alternative Price Indices: 1974 to 2020



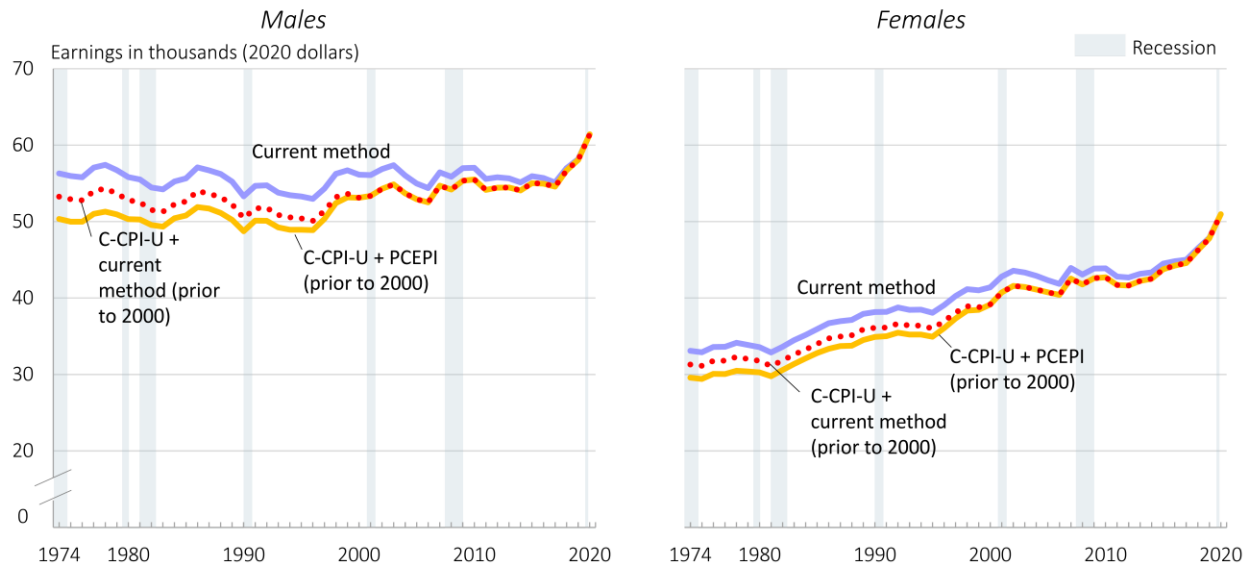
Notes: Workers aged 15 and older as of March of the following year with earnings. The data for 2017 and beyond reflect the implementation of an updated processing system. The data for 2013 and beyond reflect the implementation of the redesigned income questions.

Source: U.S. Census Bureau, Current Population Survey, 1975 to 2021 Annual Social and Economic Supplements (CPS ASEC).

Figure 4 reports trends in real median earnings among full-time, year-round workers by sex according to the three alternative inflation measures from 1974 to 2020 (refer to Table 5 for estimates). Table 6 provides median earnings estimates in 2020 dollars using the different inflation indices for all workers by sex.

Note that applying the same inflation indices to each group's median income estimates does not affect relative differences between groups in any given year, since the original estimates are simply being multiplied by a common inflation factor. In other words, using an alternative inflation index can change the levels in a group's median income in any given year, but it does not change the ratio of that group's income to any other group's income in the same year. This means that the proposed change would have no effect on inequality measures like the Gini coefficient or percentile ratios.

Figure 4.
Median Earnings of Full-time, Year-round Workers By Sex Using Alternative Price Indices: 1974 to 2020

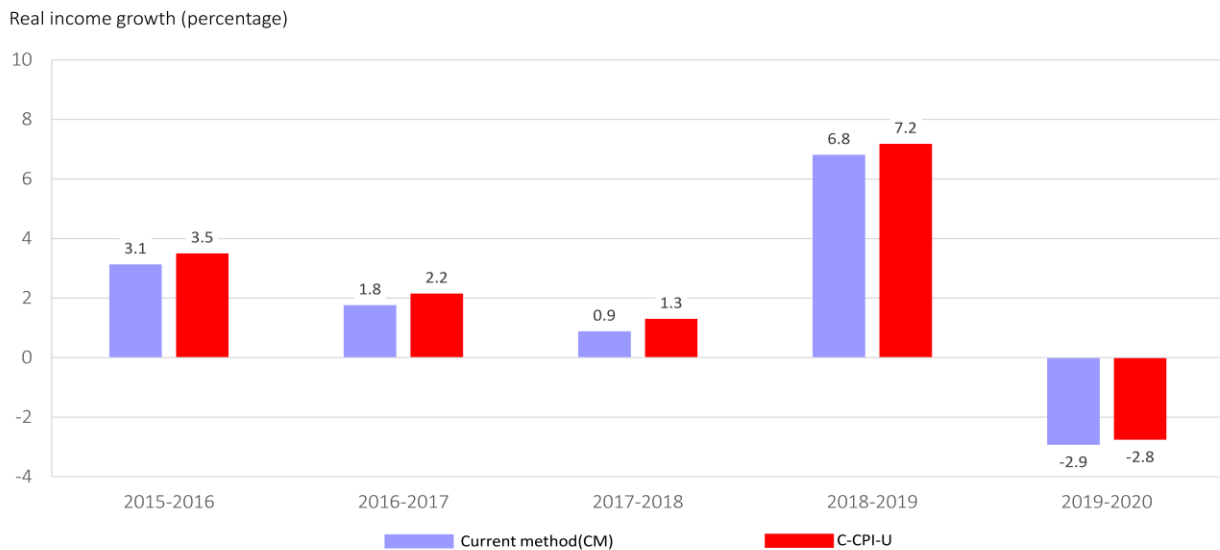


Notes: Workers aged 15 and older as of March of the following year with earnings. The data for 2017 and beyond reflect the implementation of an updated processing system. The data for 2013 and beyond reflect the implementation of the redesigned income questions.

Source: U.S. Census Bureau, Current Population Survey, 1975 to 2021 Annual Social and Economic Supplements (CPS ASEC).

Figure 5 reports estimates of annual growth in real median household income according to the current method and the C-CPI-U from 2015 onward. While annual growth in inflation adjusted income appears slightly higher according to the chained price index (since chained indices tend to estimate slightly lower rates of inflation), none of the within-year differences are statistically significant.

Figure 5.
Real Year-Over-Year Income Growth Using Alternative Price Indices: 2015 to 2020

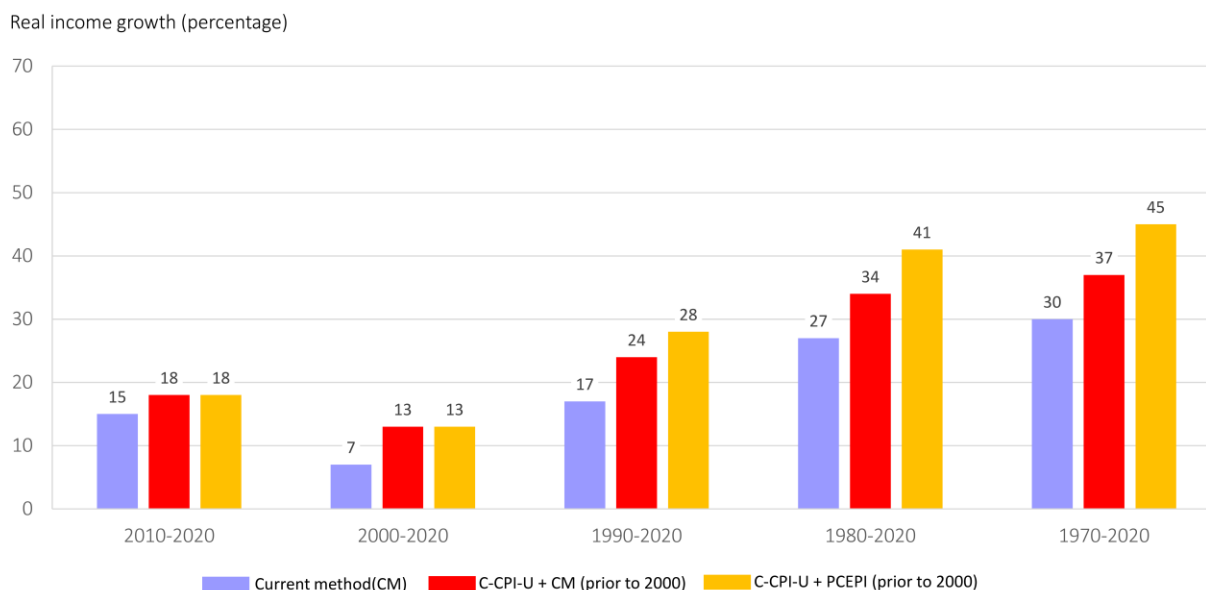


Note: Households as of March of the following year. The data for reflect the implementation of an updated processing system. Inflation-adjusted estimates may differ slightly from other published data due to rounding.

Source: U.S. Census Bureau, Current Population Survey, 2016 to 2021 Annual Social and Economic Supplements (CPS ASEC).

Figure 6 reports the growth in real median household income according to the three alternative measures of inflation over multiple decade spans.¹² Different growth rates are reported from 1970 onward, 1980 onward, and so on. Using the combined C-CPI-U and PCEPI measure, inflation-adjusted median income appears to have increased by approximately 45 percent between 1970 and 2020, compared to only 30 percent according to the current measure.

Figure 6.
Real Income Growth Using Alternative Price Indices Over the Decades: 1970 to 2020

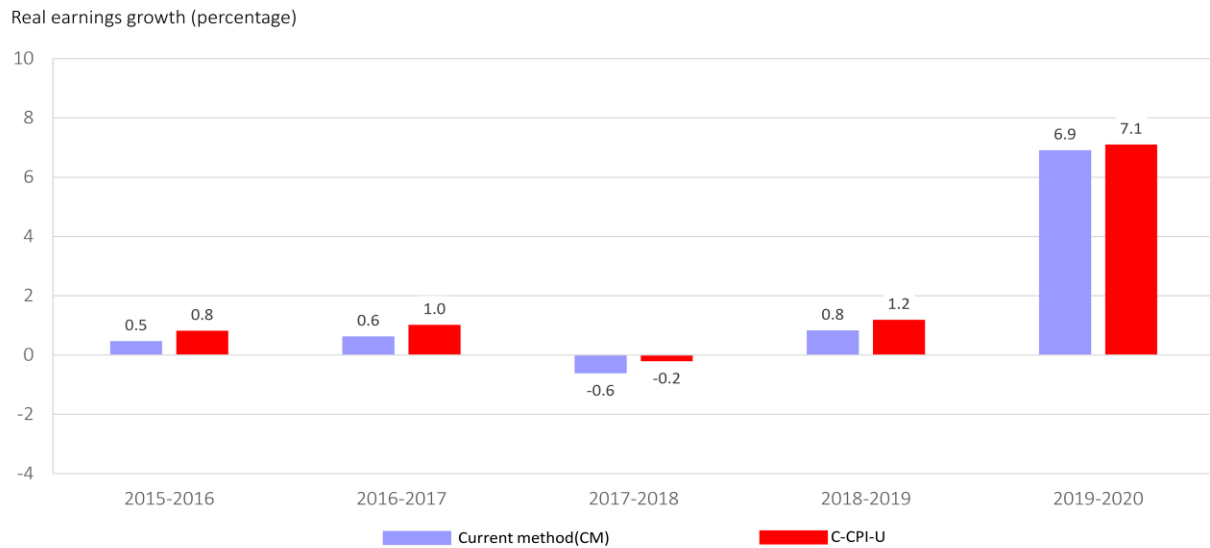


Source: U.S. Census Bureau, Current Population Survey, 1971 to 2021 Annual Social and Economic Supplements (CPS ASEC).

Figure 7 reports estimates of annual growth in real earnings among full-time, year-round workers according to the current method and the C-CPI-U from 2015 onward. Again, annual growth in inflation adjusted earnings appears slightly higher (or declines appear slightly lower) according to the chained price index, but none of the within-year differences are statistically significant.

¹² The Census Bureau advises using caution when comparing income estimates from 2020 to years prior due to breaks in series. Survey redesigns and new processing systems can produce changes in income estimates that do not reflect actual differences in real income from one year to the next. For more information about recent examples of breaks in the income series, refer to < <https://www.census.gov/library/stories/2018/09/highest-median-household-income-on-record.html> > and < <https://www.census.gov/library/stories/2019/09/us-median-household-income-not-significantly-different-from-2017.html> >. This paper assumes a consistent series, in order to demonstrate the impact that different inflation measures have on long-term income growth rates.

Figure 7.
Real Year-Over-Year Earnings Growth Among Full-Time, Year-Round Workers Using Alternative Price Indices:
2015 to 2020

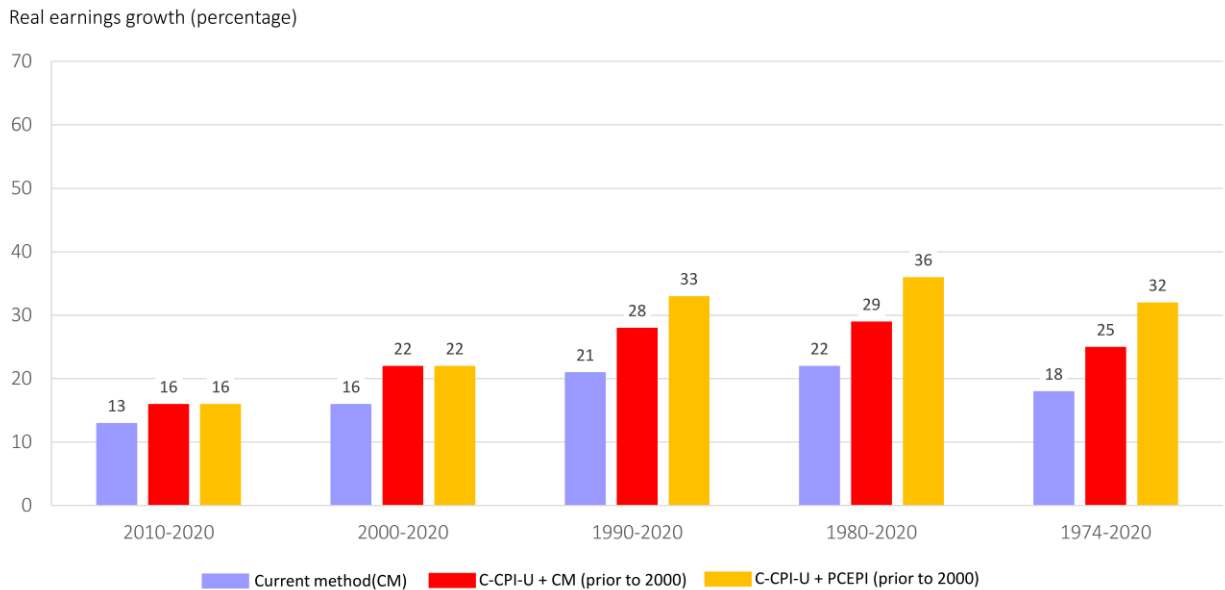


Note: People 15 and over as of March of the following year with earnings. The data for 2017 reflect the implementation of an updated processing system. Inflation-adjusted estimates may differ slightly from other published data due to rounding.

Source: U.S. Census Bureau, Current Population Survey, 2016 to 2021 Annual Social and Economic Supplements (CPS ASEC).

Figure 8 reports earnings growth rates over multiple decade spans among full-time, year-round workers. Between 2000 and 2020, real earnings growth was around 16 percent according to the current method, compared to 22 percent according to the C-CPI-U. Between 1974 and 2020, real earnings growth was about 18 percent according to the current method, compared to nearly 32 percent using the combined C-CPI-U and PCEPI measure.

Figure 8.
Real Earnings Growth of Full-time, Year-round Workers Using Alternative Price Indices Over the Decades:
1974 to 2020



Source: U.S. Census Bureau, Current Population Survey, 1975 to 2021 Annual Social and Economic Supplements (CPS ASEC).

4. Discussion

By better addressing substitution bias, chained inflation measures like the C-CPI-U and PCEPI are thought to be better measures of changes in consumers' actual cost of living. Indeed, BLS's ongoing efforts to narrow the window in which expenditure shares are updated attests to how data lags can degrade cost-of-living measures. The Interagency Technical Working Group report further discusses, and cites numerous academic papers, that argue why these measures are more appropriate measures to inflation adjust historical incomes. Between the two chained measures, the C-CPI-U better matches the sample Census uses to estimate person and household level median income, so it's preferable to the PCEPI, even though it is only available from 2000 onward.

A common objection raised to using C-CPI-U and the PCEPI is that these chained measures are not representative of the spending patterns of the low-income population. For example, these consumers may spend a greater share of their household budget on higher-inflation items, like energy and rent, and have less ability to adjust their consumption when prices change than the general population. Since these measures tend to document lower year-over-year inflation than the standard measure, they might further understate the actual change in cost of living faced by households in or near poverty, meaning they are especially inappropriate for adjusting poverty thresholds or cost-of-living adjustments for benefit programs. As discussed in the ITWG report, this criticism is ultimately about proper population scope.¹³ This criticism is less relevant to the application of inflating median income. The proposed adjustment is only to historical time series of median income and earnings, which is not intended to reflect changes in real income or cost of living for low-income households. The adjustment would not affect official poverty measure calculations or benefit rules. Census will continue to make the underlying microdata and current dollar median statistics available to all data users, who can inflation adjust income variables and statistics using their preferred indices.

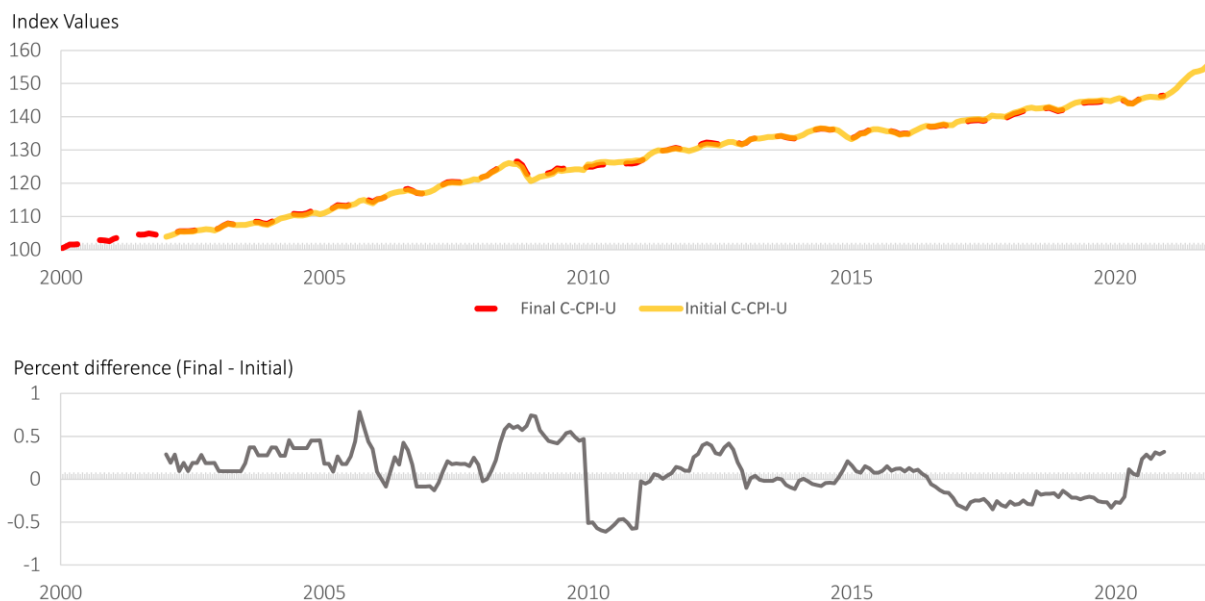
The production challenge of using preliminary C-CPI-U values to inflation adjust historical median incomes need not preclude adoption of the chained measure.¹⁴ As shown in Figure 9, preliminary values closely track final values. Figure 10 plots the annual percent change in median household income using the final versus initially published values of the C-CPI-U; none of the within-year differences are statistically significant. Census also updates the historical income tables with the release of each new report to account for a new year of data and inflate historical estimates, meaning inflation adjusted estimates included in past publications do not match those in tables available on Census's website. In a handful of years, BLS has also retroactively revised its R-CPI-U-RS estimates, and Census incorporated those revisions into future estimates of historical

¹³ If consumers do not adjust spending when prices change, the formula used to construct C-CPI-U resolves to the same one used to calculate the CPI-U. The issue is not with the formulas themselves, but how much the propensity to substitute in response to price changes varies across the income distribution. Average inflation measures necessarily mask heterogeneity in these consumption patterns. The ITWG report points to multiple studies that endeavored to measure an inflation rate particularly for households in or near poverty.

¹⁴ Since the PCEPI weights price changes according to current consumer spending, the PCEPI is also routinely revised, like the C-CPI-U, as those expenditure data becomes available. Since the PCEPI would only be used to inflation adjust median statistics prior to 2000 before the C-CPI-U is available, however, these revisions do not present the same issue.

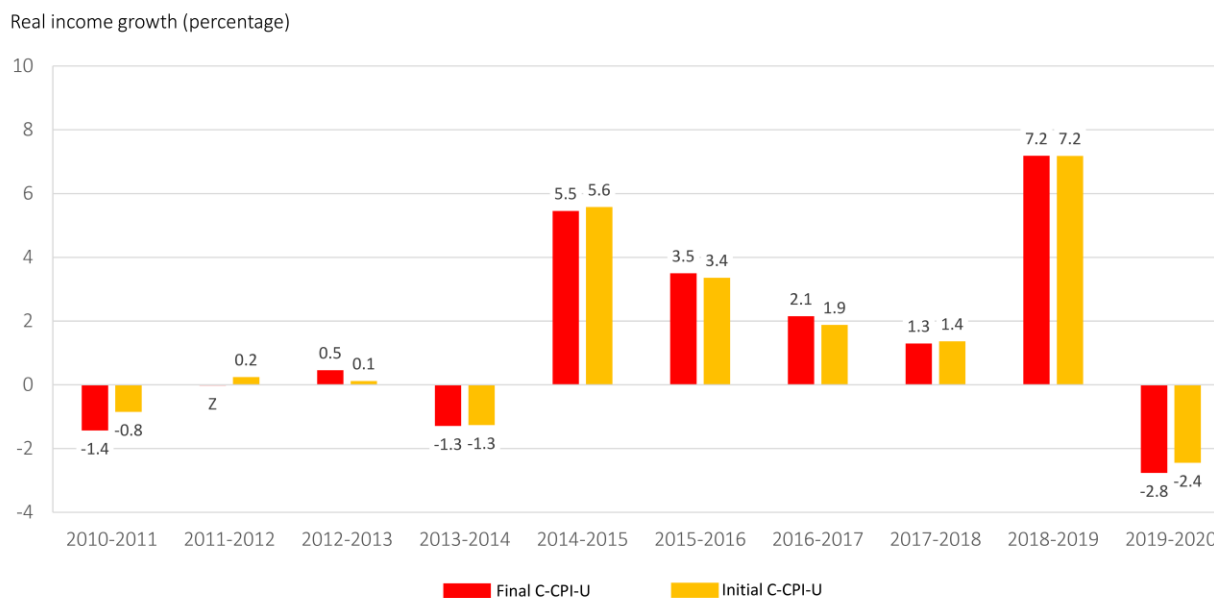
median income. That previously published estimates would not match those published in future reports or posted on Census's website was not a major production concern.

Figure 9.
Comparing the Chained CPI-U Initial and Final Monthly Index Values: 2000 to 2020



Source: U.S. Bureau of Labor Statistics

Figure 10.
Estimates of Annual Percent Change in Real Median Household Income Growth Using Initial versus Final Values of C-CPI-U: 2010 to 2020



Z Rounds to zero.

Note: Households as of March of the following year. The data for 2017 reflect the implementation of an updated processing system. Inflation-adjusted estimates may differ slightly from other published data due to rounding.

Source: U.S. Census Bureau, Current Population Survey, 2011 to 2021 Annual Social and Economic Supplements (CPS ASEC).

5. Conclusion

This paper summarizes Census's proposed adoption of chained priced indices to inflation adjust the CPS ASEC's historical median income and earning series and presents estimates of inflation-adjusted income and earnings for various subgroups using the BLS's C-CPI-U and BEA's PCEPI. It also compares estimates of inflation-adjusted income and earnings growth using the current method and the chained indices and addresses production and other concerns regarding this proposed transition. Based on the strengths of the chained price measures and following the ITWG's suggestions, Census is considering using the the C-CPI-U and the PCEPI for years prior to 2000 to inflation adjust its historical median income and earnings estimates. Pending a series of public presentations and feedback from key stakeholders, Census will decide whether or not to incorporate these measures in future P60 annual income reports released each September.

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Table 1.
Household Median Income using Alternative Price Indices: 1967 to 2020

(Income in 2020 dollars. Households as of March of the following year. Information on confidentiality protection, sampling error, nonsampling error, and definitions is available at <https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar21.pdf>. All results were approved for release by the U.S. Census Bureau, authorization number CBDRB-FY21-282.)

| Year | Number (thousands) | Current Dollars | | R-CPI-U-RS/current method | | Chained CPI-U (2000-2020)* | | | |
|-----------------------|--------------------|-----------------|----------------------------------|---------------------------|----------------------------------|----------------------------|----------------------------------|---------------------------------------|----------------------------------|
| | | | | | | PCEPI (1967-1999) | | R-CPI-U-RS/current method (1967-1999) | |
| | | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) |
| 2020 | 129,931 | 67,521 | 782 | 67,521 | 782 | 67,521 | 782 | 67,521 | 782 |
| 2019 | 128,451 | 68,702 | 905 | 69,560 | 916 | 69,440 | 914 | 69,440 | 914 |
| 2018 | 128,579 | 63,179 | 691 | 65,127 | 712 | 64,786 | 708 | 64,786 | 708 |
| 2017 ² | 127,669 | 61,136 | 529 | 64,557 | 559 | 63,956 | 554 | 63,956 | 554 |
| 2017 | 127,586 | 61,372 | 551 | 64,806 | 582 | 64,203 | 577 | 64,203 | 577 |
| 2016 | 126,224 | 59,039 | 718 | 63,683 | 774 | 62,851 | 764 | 62,851 | 764 |
| 2015 | 125,819 | 56,516 | 528 | 61,748 | 577 | 60,727 | 567 | 60,727 | 567 |
| 2014 | 124,587 | 53,657 | 645 | 58,725 | 706 | 57,586 | 692 | 57,586 | 692 |
| 2013 ³ | 123,931 | 53,585 | 1,075 | 59,640 | 1,197 | 58,341 | 1,171 | 58,341 | 1,171 |
| 2013 ⁴ | 122,952 | 51,939 | 454 | 57,808 | 505 | 56,549 | 494 | 56,549 | 494 |
| 2012 | 122,459 | 51,017 | 344 | 57,623 | 388 | 56,225 | 379 | 56,225 | 379 |
| 2011 | 121,084 | 50,054 | 413 | 57,732 | 476 | 56,239 | 464 | 56,239 | 464 |
| 2010 ⁵ | 119,927 | 49,276 | 535 | 58,627 | 636 | 57,057 | 619 | 57,057 | 619 |
| 2009 ⁶ | 117,538 | 49,777 | 351 | 60,200 | 424 | 58,458 | 412 | 58,458 | 412 |
| 2008 | 117,181 | 50,303 | 226 | 60,624 | 272 | 58,798 | 264 | 58,798 | 264 |
| 2007 | 116,783 | 50,233 | 230 | 62,865 | 288 | 60,908 | 279 | 60,908 | 279 |
| 2006 | 116,011 | 48,201 | 340 | 62,033 | 438 | 59,921 | 423 | 59,921 | 423 |
| 2005 | 114,384 | 46,326 | 255 | 61,553 | 339 | 59,262 | 326 | 59,262 | 326 |
| 2004 ⁷ | 113,343 | 44,334 | 322 | 60,901 | 443 | 58,356 | 424 | 58,356 | 424 |
| 2003 | 112,000 | 43,318 | 309 | 61,113 | 436 | 58,446 | 417 | 58,446 | 417 |
| 2002 | 111,278 | 42,409 | 229 | 61,190 | 330 | 58,413 | 315 | 58,413 | 315 |
| 2001 | 109,297 | 42,228 | 212 | 61,889 | 311 | 58,888 | 296 | 58,888 | 296 |
| 2000 ⁸ | 108,209 | 41,990 | 217 | 63,292 | 327 | 59,876 | 309 | 59,876 | 309 |
| 1999 ⁹ | 106,434 | 40,696 | 312 | 63,423 | 487 | 59,473 | 457 | 60,000 | 461 |
| 1998 | 103,874 | 38,885 | 378 | 61,891 | 602 | 57,674 | 561 | 58,551 | 570 |
| 1997 | 102,528 | 37,005 | 281 | 59,697 | 454 | 55,323 | 421 | 56,475 | 429 |
| 1996 | 101,018 | 35,492 | 294 | 58,494 | 485 | 53,985 | 448 | 55,337 | 459 |
| 1995 ¹⁰ | 99,627 | 34,076 | 324 | 57,655 | 548 | 52,938 | 503 | 54,544 | 518 |
| 1994 ¹¹ | 98,990 | 32,264 | 242 | 55,905 | 419 | 51,179 | 384 | 52,888 | 396 |
| 1993 ¹² | 97,107 | 31,241 | 240 | 55,263 | 425 | 50,591 | 389 | 52,281 | 402 |
| 1992 ¹³ | 96,426 | 30,636 | 239 | 55,559 | 433 | 50,846 | 396 | 52,561 | 410 |
| 1991 | 95,669 | 30,126 | 238 | 55,992 | 443 | 51,332 | 406 | 52,970 | 419 |
| 1990 | 94,312 | 29,943 | 252 | 57,677 | 485 | 52,726 | 443 | 54,564 | 459 |
| 1989 | 93,347 | 28,906 | 262 | 58,425 | 529 | 53,135 | 481 | 55,272 | 500 |
| 1988 | 92,830 | 27,225 | 219 | 57,433 | 462 | 52,231 | 420 | 54,334 | 437 |
| 1987 ¹⁴ | 91,124 | 26,061 | 202 | 56,964 | 442 | 51,951 | 403 | 53,890 | 418 |
| 1986 | 89,479 | 24,897 | 212 | 56,291 | 480 | 51,161 | 436 | 53,253 | 454 |
| 1985 ¹⁵ | 88,458 | 23,618 | 210 | 54,334 | 484 | 49,588 | 442 | 51,402 | 458 |
| 1984 ¹⁶ | 86,789 | 22,415 | 168 | 53,337 | 399 | 48,704 | 364 | 50,459 | 377 |
| 1983 | 85,407 | 20,885 | 156 | 51,764 | 387 | 47,093 | 352 | 48,970 | 366 |
| 1982 | 83,918 | 20,171 | 150 | 52,130 | 387 | 47,418 | 352 | 49,317 | 366 |
| 1981 | 83,527 | 19,074 | 165 | 52,272 | 451 | 47,330 | 408 | 49,451 | 427 |
| 1980 | 82,368 | 17,710 | 150 | 53,116 | 449 | 47,883 | 405 | 50,250 | 425 |
| 1979 ¹⁷ | 80,776 | 16,461 | 128 | 54,899 | 428 | 49,300 | 384 | 51,936 | 405 |
| 1978 | 77,330 | 15,064 | 100 | 55,004 | 366 | 49,123 | 327 | 52,036 | 346 |
| 1977 | 76,030 | 13,572 | 84 | 52,954 | 327 | 47,336 | 292 | 50,096 | 309 |
| 1976 ¹⁸ | 74,142 | 12,686 | 77 | 52,621 | 321 | 47,125 | 287 | 49,781 | 304 |
| 1975 ¹⁹ | 72,867 | 11,800 | 79 | 51,762 | 346 | 46,238 | 309 | 48,969 | 327 |
| 1974 ^{19,20} | 71,163 | 11,197 | 71 | 53,154 | 336 | 47,532 | 300 | 50,285 | 318 |
| 1973 | 69,859 | 10,512 | 66 | 54,893 | 344 | 49,270 | 309 | 51,931 | 325 |
| 1972 ²¹ | 68,251 | 9,697 | 61 | 53,806 | 338 | 47,897 | 301 | 50,902 | 320 |
| 1971 ²² | 66,676 | 9,028 | 58 | 51,596 | 329 | 46,114 | 294 | 48,812 | 311 |

| | | | | | | | | | |
|--------------------|--------|-------|----|--------|-----|--------|-----|--------|-----|
| 1970 | 64,778 | 8,734 | 53 | 52,103 | 314 | 46,507 | 280 | 49,291 | 297 |
| 1969 | 63,401 | 8,389 | 51 | 52,510 | 319 | 46,759 | 284 | 49,676 | 302 |
| 1968 | 62,214 | 7,743 | 46 | 50,628 | 301 | 45,100 | 268 | 47,896 | 285 |
| 1967 ²³ | 60,813 | 7,143 | 43 | 48,537 | 291 | 43,236 | 259 | 45,918 | 275 |

* Calculated based on the final index values for 2020 and will slightly differ from previously published estimates that used interim values.

¹ A margin of error (MOE) is a measure of an estimate's variability. The larger the MOE in relation to the size of the estimate, the less reliable the estimate. This number, when added to and subtracted from the estimate, forms the 90 percent confidence interval. MOEs shown in this table are based on standard errors calculated using replicate weights.

² Implementation of an updated CPS ASEC processing system.

³ The 2014 CPS ASEC included redesigned questions for income and health insurance coverage. All of the approximately 98,000 addresses were eligible to receive the redesigned set of health insurance coverage questions. The redesigned income questions were implemented to a subsample of these 98,000 addresses using a probability split panel design. Approximately 68,000 addresses were eligible to receive a set of income questions similar to those used in the 2013 CPS ASEC and the remaining 30,000 addresses were eligible to receive the redesigned income questions. The source of these 2013 estimates is the portion of the CPS ASEC sample which received the redesigned income questions, approximately 30,000 addresses.

⁴ The source of these 2013 estimates is the portion of the CPS ASEC sample which received the income questions consistent with the 2013 CPS ASEC, approximately 68,000 addresses.

⁵ Implementation of 2010 Census-based population controls. Beginning with 2010, standard errors in this table were calculated using replicate weights. Before 2010, standard errors were calculated using the generalized variance function.

⁶ Median income is calculated using \$2,500 intervals. Beginning with 2009 income data, the Census Bureau expanded the upper income intervals used to calculate medians to \$250,000 or more. Medians falling in the upper open-ended interval are plugged with "\$250,000." Before 2009, the upper open-ended interval was \$100,000 and a plug of "\$100,000" was used.

⁷ Data have been revised to reflect a correction to the weights in the 2005 CPS ASEC.

⁸ Implementation of a 28,000 household sample expansion.

⁹ Implementation of 2000 Census-based population controls.

¹⁰ Full implementation of 1990 Census-based sample design and metropolitan definitions, 7,000 household sample reduction, and revised editing of responses on race.

¹¹ Introduction of 1990 Census sample design.

¹² Data collection method changed from paper and pencil to computer-assisted interviewing. In addition, the 1994 CPS ASEC was revised to allow for the coding of different income amounts on selected questionnaire items. Limits either increased or decreased in the following categories: earnings limits increased to \$999,999; social security limits increased to \$49,999; supplemental security income and public assistance limits increased to \$24,999; veterans' benefits limits increased to \$99,999; child support and alimony limits decreased to \$49,999.

¹³ Implementation of 1990 Census population controls.

¹⁴ Implementation of a new CPS ASEC processing system.

¹⁵ Recording of amounts for earnings from longest job increased to \$299,999. Full implementation of 1980 Census-based sample design.

¹⁶ Implementation of Hispanic population weighting controls and introduction of 1980 Census-based sample design.

¹⁷ Implementation of 1980 Census population controls. Questionnaire expanded to allow the recording of up to 27 possible values from a list of 51 possible sources of income.

¹⁸ First year medians were derived using both Pareto and linear interpolation. Before this year, all medians were derived using linear interpolation.

¹⁹ Some of these estimates were derived using Pareto interpolation and may differ from published data, which were derived using linear interpolation.

²⁰ Implementation of a new CPS ASEC processing system. Questionnaire expanded to ask 11 income questions.

²¹ Full implementation of 1970 Census-based sample design.

²² Introduction of 1970 Census sample design and population controls.

²³ Implementation of a new CPS ASEC processing system.

Note: Inflation-adjusted estimates may differ slightly from other published data due to rounding. Details of the Consumer Price Index for All Urban Consumers (CPI-U) are available at <www.bls.gov/cpi/questions-and-answers.htm>. The CPI Research Series Using Current Methods (R-CPI-U-RS) is described at <www.bls.gov/cpi/research-series/home.htm>. The Chained Consumer Price Index for All Urban Consumers (C-CPI-U) is described at <www.bls.gov/cpi/additional-resources/chained-cpi.htm>. The Personal Consumption Expenditure Prices Index (PCEPI) is described at <www.bea.gov/data/personal-consumption-expenditures-price-index>. The current method for historical income adjustment uses the R-CPI-U-RS from 1978 to the present and the CPI-U-X1 from 1967 to 1977. The CPI-U-X1 was an experimental series that preceded the R-CPI-U-RS and shows what the inflation rate in the CPI-U might have been, if the current rental equivalence method of measuring the cost of homeownership had been in place prior to 1983.

Source: U.S. Census Bureau, Current Population Survey, 1968 through 2021 Annual Social and Economic Supplements (CPS ASEC).

Table 2.

Household Median Income by Race and Hispanic Origin Using Alternative Price Indices: 1967 to 2020

(Income in 2020 dollars. Households as of March of the following year. Information on confidentiality protection, sampling error, nonsampling error, and definitions is available at <https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar21.pdf>). All results were approved for release by the U.S. Census Bureau, authorization number CDBRB-FY21-282.)

All Races

| Race, Hispanic origin, and year | Number (thousands) | Current dollars | | R-CPI-U-RS/current method | | Chained CPI-U (2000-2020) | | | |
|------------------------------------|-----------------------|--------------------|-------------------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|--|-------------------------------------|
| | | | | | | PCEPI (1967-1999) | | R-CPI-U-RS/current method (1967-1999) | |
| | | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) |
| ALL RACES | | | | | | | | | |
| 2020 | 129,931 | 67,521 | 782 | 67,521 | 782 | 67,521 | 782 | 67,521 | 782 |
| 2019 | 128,451 | 68,702 | 905 | 69,560 | 916 | 69,440 | 914 | 69,440 | 914 |
| 2018 | 128,579 | 63,179 | 691 | 65,127 | 712 | 64,786 | 708 | 64,786 | 708 |
| 2017 ² | 127,669 | 61,136 | 529 | 64,557 | 559 | 63,956 | 554 | 63,956 | 554 |
| 2017 | 127,586 | 61,372 | 551 | 64,806 | 582 | 64,203 | 577 | 64,203 | 577 |
| 2016 | 126,224 | 59,039 | 718 | 63,683 | 774 | 62,851 | 764 | 62,851 | 764 |
| 2015 | 125,819 | 56,516 | 528 | 61,748 | 577 | 60,727 | 567 | 60,727 | 567 |
| 2014 | 124,587 | 53,657 | 645 | 58,725 | 706 | 57,586 | 692 | 57,586 | 692 |
| 2013 ³ | 123,931 | 53,585 | 1,075 | 59,640 | 1,197 | 58,341 | 1,171 | 58,341 | 1,171 |
| 2013 ⁴ | 122,952 | 51,939 | 454 | 57,808 | 505 | 56,549 | 494 | 56,549 | 494 |
| 2012 | 122,459 | 51,017 | 344 | 57,623 | 388 | 56,225 | 379 | 56,225 | 379 |
| 2011 | 121,084 | 50,054 | 413 | 57,732 | 476 | 56,239 | 464 | 56,239 | 464 |
| 2010 ⁵ | 119,927 | 49,276 | 535 | 58,627 | 636 | 57,057 | 619 | 57,057 | 619 |
| 2009 ⁶ | 117,538 | 49,777 | 351 | 60,200 | 424 | 58,458 | 412 | 58,458 | 412 |
| 2008 | 117,181 | 50,303 | 226 | 60,624 | 272 | 58,798 | 264 | 58,798 | 264 |
| 2007 | 116,783 | 50,233 | 230 | 62,865 | 288 | 60,908 | 279 | 60,908 | 279 |
| 2006 | 116,011 | 48,201 | 340 | 62,033 | 438 | 59,921 | 423 | 59,921 | 423 |
| 2005 | 114,384 | 46,326 | 255 | 61,553 | 339 | 59,262 | 326 | 59,262 | 326 |
| 2004 ⁷ | 113,343 | 44,334 | 322 | 60,901 | 443 | 58,356 | 424 | 58,356 | 424 |
| 2003 | 112,000 | 43,318 | 309 | 61,113 | 436 | 58,446 | 417 | 58,446 | 417 |
| 2002 | 111,278 | 42,409 | 229 | 61,190 | 330 | 58,413 | 315 | 58,413 | 315 |
| 2001 | 109,297 | 42,228 | 212 | 61,889 | 311 | 58,888 | 296 | 58,888 | 296 |
| 2000 ⁸ | 108,209 | 41,990 | 217 | 63,292 | 327 | 59,876 | 309 | 59,876 | 309 |
| 1999 ⁹ | 106,434 | 40,696 | 312 | 63,423 | 487 | 59,473 | 457 | 60,000 | 461 |
| 1998 | 103,874 | 38,885 | 378 | 61,891 | 602 | 57,674 | 561 | 58,551 | 570 |
| 1997 | 102,528 | 37,005 | 281 | 59,697 | 454 | 55,323 | 421 | 56,475 | 429 |
| 1996 | 101,018 | 35,492 | 294 | 58,494 | 485 | 53,985 | 448 | 55,337 | 459 |
| 1995 ¹⁰ | 99,627 | 34,076 | 324 | 57,655 | 548 | 52,938 | 503 | 54,544 | 518 |
| 1994 ¹¹ | 98,990 | 32,264 | 242 | 55,905 | 419 | 51,179 | 384 | 52,888 | 396 |
| 1993 ¹² | 97,107 | 31,241 | 240 | 55,263 | 425 | 50,591 | 389 | 52,281 | 402 |
| 1992 ¹³ | 96,426 | 30,636 | 239 | 55,559 | 433 | 50,846 | 396 | 52,561 | 410 |
| 1991 | 95,669 | 30,126 | 238 | 55,992 | 443 | 51,332 | 406 | 52,970 | 419 |
| 1990 | 94,312 | 29,943 | 252 | 57,677 | 485 | 52,726 | 443 | 54,564 | 459 |
| 1989 | 93,347 | 28,906 | 262 | 58,425 | 529 | 53,135 | 481 | 55,272 | 500 |
| 1988 | 92,830 | 27,225 | 219 | 57,433 | 462 | 52,231 | 420 | 54,334 | 437 |
| 1987 ¹⁴ | 91,124 | 26,061 | 202 | 56,964 | 442 | 51,951 | 403 | 53,890 | 418 |
| 1986 | 89,479 | 24,897 | 212 | 56,291 | 480 | 51,161 | 436 | 53,253 | 454 |
| 1985 ¹⁵ | 88,458 | 23,618 | 210 | 54,334 | 484 | 49,588 | 442 | 51,402 | 458 |
| 1984 ¹⁶ | 86,789 | 22,415 | 168 | 53,337 | 399 | 48,704 | 364 | 50,459 | 377 |
| 1983 | 85,407 | 20,885 | 156 | 51,764 | 387 | 47,093 | 352 | 48,970 | 366 |
| 1982 | 83,918 | 20,171 | 150 | 52,130 | 387 | 47,418 | 352 | 49,317 | 366 |
| 1981 | 83,527 | 19,074 | 165 | 52,272 | 451 | 47,330 | 408 | 49,451 | 427 |
| 1980 | 82,368 | 17,710 | 150 | 53,116 | 449 | 47,883 | 405 | 50,250 | 425 |
| 1979 ¹⁷ | 80,776 | 16,461 | 128 | 54,899 | 428 | 49,300 | 384 | 51,936 | 405 |
| 1978 | 77,330 | 15,064 | 100 | 55,004 | 366 | 49,123 | 327 | 52,036 | 346 |
| 1977 | 76,030 | 13,572 | 84 | 52,954 | 327 | 47,336 | 292 | 50,096 | 309 |
| 1976 ¹⁸ | 74,142 | 12,686 | 77 | 52,621 | 321 | 47,125 | 287 | 49,781 | 304 |
| 1975 ¹⁹ | 72,867 | 11,800 | 79 | 51,762 | 346 | 46,238 | 309 | 48,969 | 327 |
| 1974 ^{19, 20} | 71,163 | 11,197 | 71 | 53,154 | 336 | 47,532 | 300 | 50,285 | 318 |
| 1973 | 69,859 | 10,512 | 66 | 54,893 | 344 | 49,270 | 309 | 51,931 | 325 |
| 1972 ²¹ | 68,251 | 9,697 | 61 | 53,806 | 338 | 47,897 | 301 | 50,902 | 320 |
| 1971 ²² | 66,676 | 9,028 | 58 | 51,596 | 329 | 46,114 | 294 | 48,812 | 311 |
| 1970 | 64,778 | 8,734 | 53 | 52,103 | 314 | 46,507 | 280 | 49,291 | 297 |
| 1969 | 63,401 | 8,389 | 51 | 52,510 | 319 | 46,759 | 284 | 49,676 | 302 |
| 1968 | 62,214 | 7,743 | 46 | 50,628 | 301 | 45,100 | 268 | 47,896 | 285 |
| 1967 ²³ | 60,813 | 7,143 | 43 | 48,537 | 291 | 43,236 | 259 | 45,918 | 275 |

| | | | | | | | | | |
|--|---------|--------|-------|--------|-------|--------|-------|--------|-------|
| WHITE ALONE ²⁴ | | | | | | | | | |
| 2020 | 101,582 | 71,231 | 736 | 71,231 | 736 | 71,231 | 736 | 71,231 | 736 |
| 2019 | 100,568 | 72,204 | 800 | 73,105 | 810 | 72,979 | 809 | 72,979 | 809 |
| 2018 | 100,528 | 66,943 | 646 | 69,007 | 666 | 68,646 | 663 | 68,646 | 663 |
| 2017 ² | 100,113 | 64,833 | 842 | 68,461 | 889 | 67,824 | 881 | 67,824 | 881 |
| 2017 | 100,065 | 65,273 | 685 | 68,925 | 723 | 68,283 | 716 | 68,283 | 716 |
| 2016 | 99,400 | 61,858 | 550 | 66,724 | 593 | 65,852 | 585 | 65,852 | 585 |
| 2015 | 99,313 | 60,109 | 627 | 65,674 | 685 | 64,589 | 674 | 64,589 | 674 |
| 2014 | 98,679 | 56,866 | 584 | 62,237 | 639 | 61,030 | 627 | 61,030 | 627 |
| 2013 ³ | 98,807 | 56,745 | 851 | 63,157 | 947 | 61,782 | 926 | 61,782 | 926 |
| 2013 ⁴ | 97,774 | 55,257 | 699 | 61,501 | 778 | 60,162 | 761 | 60,162 | 761 |
| 2012 | 97,705 | 53,706 | 631 | 60,660 | 713 | 59,189 | 696 | 59,189 | 696 |
| 2011 | 96,964 | 52,214 | 370 | 60,224 | 427 | 58,666 | 416 | 58,666 | 416 |
| 2010 ⁵ | 96,306 | 51,709 | 416 | 61,521 | 495 | 59,873 | 482 | 59,873 | 482 |
| 2009 ⁶ | 95,489 | 51,861 | 253 | 62,720 | 306 | 60,905 | 297 | 60,905 | 297 |
| 2008 | 95,297 | 52,312 | 250 | 63,046 | 301 | 61,148 | 292 | 61,148 | 292 |
| 2007 | 95,112 | 52,115 | 253 | 65,221 | 317 | 63,190 | 307 | 63,190 | 307 |
| 2006 | 94,705 | 50,673 | 242 | 65,215 | 311 | 62,995 | 300 | 62,995 | 300 |
| 2005 | 93,588 | 48,554 | 348 | 64,513 | 463 | 62,112 | 446 | 62,112 | 446 |
| 2004 ⁷ | 92,880 | 46,658 | 301 | 64,094 | 414 | 61,415 | 397 | 61,415 | 397 |
| 2003 | 91,962 | 45,631 | 294 | 64,377 | 415 | 61,568 | 397 | 61,568 | 397 |
| 2002 | 91,645 | 45,086 | 301 | 65,052 | 434 | 62,099 | 414 | 62,099 | 414 |
| WHITE ²⁵ | | | | | | | | | |
| 2001 | 90,682 | 44,517 | 344 | 65,244 | 504 | 62,080 | 480 | 62,080 | 480 |
| 2000 ⁸ | 90,030 | 43,916 | 319 | 66,195 | 481 | 62,623 | 455 | 62,623 | 455 |
| 1999 ⁹ | 88,893 | 42,325 | 352 | 65,962 | 549 | 61,854 | 515 | 62,402 | 519 |
| 1998 | 87,212 | 40,912 | 337 | 65,118 | 537 | 60,681 | 500 | 61,604 | 508 |
| 1997 | 86,106 | 38,972 | 406 | 62,870 | 655 | 58,263 | 607 | 59,477 | 620 |
| 1996 | 85,059 | 37,161 | 316 | 61,244 | 521 | 56,523 | 481 | 57,939 | 493 |
| 1995 ¹⁰ | 84,511 | 35,766 | 307 | 60,515 | 520 | 55,564 | 477 | 57,249 | 492 |
| 1994 ¹¹ | 83,737 | 34,028 | 314 | 58,961 | 544 | 53,977 | 498 | 55,779 | 515 |
| 1993 ¹² | 82,387 | 32,960 | 316 | 58,303 | 559 | 53,374 | 512 | 55,157 | 529 |
| 1992 ¹³ | 81,795 | 32,209 | 256 | 58,411 | 465 | 53,457 | 426 | 55,259 | 440 |
| 1991 | 81,675 | 31,569 | 252 | 58,674 | 468 | 53,791 | 429 | 55,508 | 443 |
| 1990 | 80,968 | 31,231 | 235 | 60,158 | 453 | 54,994 | 414 | 56,911 | 429 |
| 1989 | 80,163 | 30,406 | 243 | 61,457 | 492 | 55,893 | 447 | 58,140 | 465 |
| 1988 | 79,734 | 28,781 | 280 | 60,716 | 590 | 55,217 | 537 | 57,439 | 558 |
| 1987 ¹⁴ | 78,519 | 27,458 | 227 | 60,017 | 496 | 54,736 | 452 | 56,778 | 469 |
| 1986 | 77,284 | 26,175 | 209 | 59,181 | 472 | 53,787 | 429 | 55,987 | 447 |
| 1985 ¹⁵ | 76,576 | 24,908 | 219 | 57,302 | 503 | 52,297 | 459 | 54,210 | 476 |
| 1984 ¹⁶ | 75,328 | 23,647 | 196 | 56,269 | 466 | 51,382 | 426 | 53,232 | 441 |
| 1983 | 74,376 | 21,902 | 163 | 54,285 | 404 | 49,387 | 368 | 51,355 | 382 |
| 1982 | 73,182 | 21,117 | 158 | 54,575 | 408 | 49,642 | 371 | 51,630 | 386 |
| 1981 | 72,845 | 20,153 | 153 | 55,229 | 419 | 50,008 | 379 | 52,248 | 396 |
| 1980 | 71,872 | 18,684 | 158 | 56,037 | 474 | 50,516 | 427 | 53,013 | 448 |
| 1979 ¹⁷ | 70,766 | 17,259 | 135 | 57,560 | 450 | 51,689 | 404 | 54,454 | 426 |
| 1978 | 68,028 | 15,660 | 113 | 57,180 | 414 | 51,067 | 370 | 54,094 | 392 |
| 1977 | 66,934 | 14,272 | 99 | 55,686 | 385 | 49,778 | 344 | 52,681 | 364 |
| 1976 ¹⁸ | 65,353 | 13,289 | 90 | 55,123 | 375 | 49,365 | 336 | 52,148 | 355 |
| 1975 ¹⁹ | 64,392 | 12,340 | 74 | 54,131 | 325 | 48,355 | 290 | 51,210 | 307 |
| 1974 ^{19, 20} | 62,984 | 11,710 | 72 | 55,590 | 344 | 49,710 | 308 | 52,590 | 325 |
| 1973 | 61,965 | 11,017 | 69 | 57,530 | 361 | 51,637 | 324 | 54,425 | 342 |
| 1972 ²¹ | 60,618 | 10,173 | 64 | 56,448 | 356 | 50,249 | 317 | 53,402 | 337 |
| 1971 ²² | 59,463 | 9,443 | 59 | 53,968 | 338 | 48,233 | 302 | 51,056 | 320 |
| 1970 | 57,575 | 9,097 | 57 | 54,269 | 343 | 48,440 | 306 | 51,340 | 324 |
| 1969 | 56,248 | 8,755 | 53 | 54,801 | 329 | 48,799 | 293 | 51,844 | 311 |
| 1968 | 55,394 | 8,062 | 49 | 52,714 | 323 | 46,959 | 288 | 49,869 | 306 |
| 1967 ²³ | 54,188 | 7,449 | 44 | 50,616 | 302 | 45,088 | 269 | 47,884 | 286 |
| WHITE ALONE, NOT HISPANIC ²⁴ | | | | | | | | | |
| 2020 | 85,336 | 74,912 | 936 | 74,912 | 936 | 74,912 | 936 | 74,912 | 936 |
| 2019 | 84,868 | 76,058 | 876 | 77,007 | 887 | 76,874 | 885 | 76,874 | 885 |
| 2018 | 84,727 | 70,642 | 652 | 72,820 | 672 | 72,439 | 668 | 72,439 | 668 |
| 2017 ² | 84,706 | 68,189 | 1,109 | 72,005 | 1,171 | 71,335 | 1,160 | 71,335 | 1,160 |
| 2017 | 84,681 | 68,145 | 1,049 | 71,958 | 1,108 | 71,288 | 1,098 | 71,288 | 1,098 |
| 2016 | 84,387 | 65,041 | 839 | 70,157 | 905 | 69,240 | 893 | 69,240 | 893 |
| 2015 | 84,445 | 62,950 | 891 | 68,778 | 974 | 67,641 | 958 | 67,641 | 958 |
| 2014 | 84,228 | 60,256 | 606 | 65,948 | 663 | 64,669 | 650 | 64,669 | 650 |

| | | | | | | | | | |
|--|--------|--------|-------|--------|-------|--------|-------|--------|-------|
| 2013 ³ | 84,432 | 60,329 | 877 | 67,146 | 976 | 65,684 | 955 | 65,684 | 955 |
| 2013 ⁴ | 83,641 | 58,270 | 1,006 | 64,854 | 1,120 | 63,442 | 1,096 | 63,442 | 1,096 |
| 2012 | 83,792 | 57,009 | 591 | 64,391 | 667 | 62,829 | 651 | 62,829 | 651 |
| 2011 | 83,573 | 55,412 | 539 | 63,912 | 622 | 62,259 | 606 | 62,259 | 606 |
| 2010 ⁵ | 83,314 | 54,460 | 734 | 64,794 | 873 | 63,059 | 850 | 63,059 | 850 |
| 2009 ⁶ | 83,158 | 54,461 | 459 | 65,865 | 555 | 63,959 | 539 | 63,959 | 539 |
| 2008 | 82,884 | 55,530 | 370 | 66,924 | 446 | 64,909 | 433 | 64,909 | 433 |
| 2007 | 82,765 | 54,920 | 406 | 68,731 | 508 | 66,591 | 492 | 66,591 | 492 |
| 2006 | 82,675 | 52,423 | 309 | 67,467 | 398 | 65,170 | 384 | 65,170 | 384 |
| 2005 | 82,003 | 50,784 | 283 | 67,476 | 376 | 64,965 | 362 | 64,965 | 362 |
| 2004 ⁷ | 81,628 | 48,910 | 368 | 67,187 | 506 | 64,379 | 485 | 64,379 | 485 |
| 2003 | 81,148 | 47,777 | 380 | 67,404 | 536 | 64,463 | 513 | 64,463 | 513 |
| 2002 | 81,166 | 46,900 | 303 | 67,669 | 437 | 64,598 | 417 | 64,598 | 417 |
| WHITE, NOT HISPANIC ²⁵ | | | | | | | | | |
| 2001 | 80,818 | 46,305 | 316 | 67,864 | 463 | 64,573 | 441 | 64,573 | 441 |
| 2000 ⁸ | 80,527 | 45,623 | 301 | 68,768 | 454 | 65,057 | 429 | 65,057 | 429 |
| 1999 ⁹ | 79,819 | 44,157 | 459 | 68,817 | 715 | 64,531 | 670 | 65,103 | 676 |
| 1998 | 78,577 | 42,439 | 401 | 67,548 | 639 | 62,946 | 595 | 63,903 | 605 |
| 1997 | 77,936 | 40,577 | 349 | 65,459 | 563 | 60,662 | 522 | 61,926 | 533 |
| 1996 | 77,240 | 38,787 | 437 | 63,924 | 721 | 58,996 | 665 | 60,474 | 682 |
| 1995 ¹⁰ | 76,932 | 37,178 | 319 | 62,904 | 540 | 57,757 | 496 | 59,509 | 511 |
| 1994 ¹¹ | 77,004 | 35,126 | 306 | 60,864 | 530 | 55,719 | 485 | 57,579 | 501 |
| 1993 ¹² | 75,697 | 34,173 | 329 | 60,449 | 582 | 55,338 | 533 | 57,187 | 551 |
| 1992 ¹³ | 75,107 | 33,290 | 339 | 60,372 | 615 | 55,251 | 563 | 57,114 | 582 |
| 1991 | 75,625 | 32,323 | 261 | 60,076 | 486 | 55,076 | 446 | 56,834 | 460 |
| 1990 | 75,035 | 31,945 | 245 | 61,533 | 472 | 56,251 | 431 | 58,212 | 447 |
| 1989 | 74,495 | 31,060 | 250 | 62,779 | 505 | 57,095 | 459 | 59,391 | 478 |
| 1988 | 74,067 | 29,574 | 286 | 62,389 | 604 | 56,738 | 549 | 59,022 | 571 |
| 1987 ¹⁴ | 73,120 | 28,213 | 258 | 61,667 | 565 | 56,241 | 515 | 58,339 | 535 |
| 1986 | 72,067 | 26,770 | 227 | 60,526 | 513 | 55,010 | 466 | 57,260 | 485 |
| 1985 ¹⁵ | 71,540 | 25,468 | 214 | 58,590 | 492 | 53,473 | 449 | 55,428 | 465 |
| 1984 ¹⁶ | 70,586 | 24,138 | 221 | 57,437 | 525 | 52,448 | 479 | 54,337 | 497 |
| 1983 | 69,648 | 22,465 | 186 | 55,680 | 461 | 50,656 | 419 | 52,675 | 436 |
| 1982 | 69,214 | 21,471 | 178 | 55,490 | 459 | 50,475 | 418 | 52,495 | 434 |
| 1981 | 68,996 | 20,444 | 171 | 56,026 | 469 | 50,729 | 425 | 53,002 | 444 |
| 1980 | 68,106 | 19,015 | 178 | 57,030 | 533 | 51,411 | 480 | 53,952 | 504 |
| 1979 ¹⁷ | 67,203 | 17,502 | 160 | 58,371 | 532 | 52,417 | 478 | 55,221 | 503 |
| 1978 | 64,836 | 15,955 | 138 | 58,257 | 505 | 52,029 | 451 | 55,113 | 478 |
| 1977 | 63,721 | 14,555 | 135 | 56,790 | 526 | 50,765 | 470 | 53,725 | 498 |
| 1976 ¹⁸ | 62,365 | 13,560 | 130 | 56,247 | 539 | 50,372 | 483 | 53,212 | 510 |
| 1975 ¹⁹ | 61,533 | 12,433 | 109 | 54,539 | 476 | 48,719 | 425 | 51,596 | 450 |
| 1974 ^{19, 20} | 60,164 | 11,810 | 95 | 56,064 | 453 | 50,134 | 405 | 53,038 | 429 |
| 1973 | 59,236 | 11,114 | 86 | 58,036 | 447 | 52,091 | 401 | 54,904 | 423 |
| 1972 ²¹ | 58,005 | 10,318 | 81 | 57,252 | 447 | 50,964 | 398 | 54,162 | 423 |
| BLACK ALONE OR IN COMBINATION | | | | | | | | | |
| 2020 | 18,326 | 46,600 | 1,255 | 46,600 | 1,255 | 46,600 | 1,255 | 46,600 | 1,255 |
| 2019 | 18,055 | 46,073 | 1,149 | 46,648 | 1,163 | 46,568 | 1,161 | 46,568 | 1,161 |
| 2018 | 18,095 | 41,692 | 917 | 42,977 | 945 | 42,752 | 940 | 42,752 | 940 |
| 2017 ² | 17,813 | 39,988 | 1,130 | 42,226 | 1,193 | 41,833 | 1,182 | 41,833 | 1,182 |
| 2017 | 17,801 | 40,594 | 824 | 42,865 | 870 | 42,466 | 862 | 42,466 | 862 |
| 2016 | 17,505 | 40,065 | 959 | 43,217 | 1,034 | 42,652 | 1,020 | 42,652 | 1,020 |
| 2015 | 17,322 | 37,211 | 898 | 40,656 | 981 | 39,984 | 965 | 39,984 | 965 |
| 2014 | 17,198 | 35,653 | 777 | 39,021 | 850 | 38,264 | 834 | 38,264 | 834 |
| 2013 ³ | 16,723 | 35,764 | 1,279 | 39,805 | 1,424 | 38,938 | 1,393 | 38,938 | 1,393 |
| 2013 ⁴ | 16,855 | 34,775 | 1,152 | 38,704 | 1,282 | 37,861 | 1,254 | 37,861 | 1,254 |
| 2012 | 16,559 | 33,718 | 1,313 | 38,084 | 1,483 | 37,160 | 1,447 | 37,160 | 1,447 |
| 2011 | 16,165 | 32,366 | 909 | 37,331 | 1,049 | 36,365 | 1,022 | 36,365 | 1,022 |
| 2010 ⁵ | 15,909 | 32,156 | 773 | 38,258 | 920 | 37,233 | 895 | 37,233 | 895 |
| 2009 ⁶ | 15,212 | 32,750 | 688 | 39,608 | 832 | 38,462 | 808 | 38,462 | 808 |
| 2008 | 15,056 | 34,345 | 722 | 41,392 | 870 | 40,146 | 844 | 40,146 | 844 |
| 2007 | 14,976 | 34,091 | 765 | 42,664 | 957 | 41,336 | 927 | 41,336 | 927 |
| 2006 | 14,709 | 32,132 | 392 | 41,353 | 504 | 39,945 | 487 | 39,945 | 487 |
| 2005 | 14,399 | 30,954 | 485 | 41,128 | 645 | 39,597 | 621 | 39,597 | 621 |
| 2004 ⁷ | 14,151 | 30,235 | 456 | 41,534 | 626 | 39,798 | 600 | 39,798 | 600 |
| 2003 | 13,969 | 29,689 | 614 | 41,885 | 866 | 40,057 | 828 | 40,057 | 828 |
| 2002 | 13,778 | 29,177 | 631 | 42,098 | 911 | 40,187 | 870 | 40,187 | 870 |

| | | | | | | | | | |
|--------------------------------------|--------|--------|-------|--------|-------|--------|-------|--------|-------|
| BLACK ALONE ²⁶ | | | | | | | | | |
| 2020 | 17,358 | 45,870 | 1,268 | 45,870 | 1,268 | 45,870 | 1,268 | 45,870 | 1,268 |
| 2019 | 17,054 | 45,438 | 1,212 | 46,005 | 1,227 | 45,926 | 1,225 | 45,926 | 1,225 |
| 2018 | 17,167 | 41,361 | 906 | 42,636 | 934 | 42,413 | 929 | 42,413 | 929 |
| 2017 ² | 17,019 | 39,365 | 1,395 | 41,568 | 1,473 | 41,181 | 1,459 | 41,181 | 1,459 |
| 2017 | 16,997 | 40,258 | 949 | 42,511 | 1,002 | 42,115 | 993 | 42,115 | 993 |
| 2016 | 16,733 | 39,490 | 1,186 | 42,596 | 1,279 | 42,039 | 1,262 | 42,039 | 1,262 |
| 2015 | 16,539 | 36,898 | 844 | 40,314 | 922 | 39,648 | 907 | 39,648 | 907 |
| 2014 | 16,437 | 35,398 | 758 | 38,742 | 830 | 37,991 | 814 | 37,991 | 814 |
| 2013 ³ | 16,009 | 35,324 | 1,410 | 39,315 | 1,569 | 38,459 | 1,535 | 38,459 | 1,535 |
| 2013 ⁴ | 16,108 | 34,598 | 1,198 | 38,507 | 1,333 | 37,668 | 1,304 | 37,668 | 1,304 |
| 2012 | 15,872 | 33,321 | 1,300 | 37,635 | 1,468 | 36,722 | 1,432 | 36,722 | 1,432 |
| 2011 | 15,583 | 32,229 | 838 | 37,173 | 966 | 36,211 | 941 | 36,211 | 941 |
| 2010 ⁵ | 15,265 | 32,124 | 821 | 38,220 | 977 | 37,196 | 951 | 37,196 | 951 |
| 2009 ⁶ | 14,730 | 32,584 | 648 | 39,407 | 784 | 38,267 | 761 | 38,267 | 761 |
| 2008 | 14,595 | 34,218 | 725 | 41,239 | 874 | 39,997 | 848 | 39,997 | 848 |
| 2007 | 14,551 | 33,916 | 781 | 42,445 | 978 | 41,123 | 948 | 41,123 | 948 |
| 2006 | 14,354 | 31,969 | 396 | 41,143 | 510 | 39,742 | 493 | 39,742 | 493 |
| 2005 | 14,002 | 30,858 | 495 | 41,001 | 658 | 39,475 | 634 | 39,475 | 634 |
| 2004 ⁷ | 13,809 | 30,095 | 515 | 41,341 | 707 | 39,613 | 677 | 39,613 | 677 |
| 2003 | 13,629 | 29,645 | 635 | 41,823 | 896 | 39,998 | 857 | 39,998 | 857 |
| 2002 | 13,465 | 29,026 | 643 | 41,880 | 928 | 39,979 | 886 | 39,979 | 886 |
| BLACK ²⁵ | | | | | | | | | |
| 2001 | 13,315 | 29,470 | 571 | 43,191 | 837 | 41,097 | 796 | 41,097 | 796 |
| 2000 ⁸ | 13,174 | 29,667 | 646 | 44,718 | 974 | 42,305 | 921 | 42,305 | 921 |
| 1999 ⁹ | 12,838 | 27,910 | 855 | 43,497 | 1,333 | 40,788 | 1,250 | 41,150 | 1,261 |
| 1998 | 12,579 | 25,351 | 653 | 40,350 | 1,039 | 37,601 | 968 | 38,172 | 983 |
| 1997 | 12,474 | 25,050 | 709 | 40,411 | 1,144 | 37,450 | 1,060 | 38,230 | 1,082 |
| 1996 | 12,109 | 23,482 | 760 | 38,700 | 1,253 | 35,717 | 1,156 | 36,611 | 1,185 |
| 1995 ¹⁰ | 11,577 | 22,393 | 628 | 37,888 | 1,063 | 34,788 | 976 | 35,843 | 1,006 |
| 1994 ¹¹ | 11,655 | 21,027 | 643 | 36,434 | 1,114 | 33,354 | 1,020 | 34,468 | 1,054 |
| 1993 ¹² | 11,281 | 19,533 | 635 | 34,552 | 1,123 | 31,631 | 1,028 | 32,687 | 1,062 |
| 1992 ¹³ | 11,269 | 18,755 | 630 | 34,012 | 1,143 | 31,127 | 1,046 | 32,176 | 1,081 |
| 1991 | 11,083 | 18,807 | 650 | 34,955 | 1,208 | 32,046 | 1,107 | 33,069 | 1,143 |
| 1990 | 10,671 | 18,676 | 701 | 35,974 | 1,350 | 32,886 | 1,234 | 34,033 | 1,277 |
| 1989 | 10,486 | 18,083 | 606 | 36,550 | 1,224 | 33,241 | 1,113 | 34,578 | 1,158 |
| 1988 | 10,561 | 16,407 | 563 | 34,612 | 1,187 | 31,477 | 1,079 | 32,744 | 1,123 |
| 1987 ¹⁴ | 10,192 | 15,672 | 494 | 34,256 | 1,079 | 31,242 | 984 | 32,407 | 1,021 |
| 1986 | 9,922 | 15,080 | 487 | 34,095 | 1,101 | 30,988 | 1,001 | 32,255 | 1,042 |
| 1985 ¹⁵ | 9,797 | 14,819 | 474 | 34,092 | 1,090 | 31,114 | 995 | 32,252 | 1,031 |
| 1984 ¹⁶ | 9,480 | 13,471 | 426 | 32,055 | 1,014 | 29,271 | 926 | 30,325 | 959 |
| 1983 | 9,236 | 12,429 | 383 | 30,806 | 950 | 28,026 | 864 | 29,144 | 899 |
| 1982 | 8,916 | 11,968 | 316 | 30,930 | 816 | 28,135 | 742 | 29,261 | 772 |
| 1981 | 8,961 | 11,309 | 313 | 30,992 | 857 | 28,062 | 776 | 29,319 | 811 |
| 1980 | 8,847 | 10,764 | 334 | 32,284 | 1,002 | 29,103 | 903 | 30,542 | 948 |
| 1979 ¹⁷ | 8,586 | 10,133 | 304 | 33,794 | 1,015 | 30,347 | 911 | 31,970 | 960 |
| 1978 | 8,066 | 9,411 | 327 | 34,363 | 1,195 | 30,689 | 1,067 | 32,509 | 1,131 |
| 1977 | 7,977 | 8,422 | 186 | 32,860 | 725 | 29,374 | 648 | 31,087 | 686 |
| 1976 ¹⁸ | 7,776 | 7,902 | 161 | 32,777 | 669 | 29,353 | 599 | 31,008 | 633 |
| 1975 ¹⁹ | 7,489 | 7,408 | 179 | 32,496 | 787 | 29,028 | 703 | 30,742 | 745 |
| 1974 ^{19,20} | 7,263 | 6,964 | 138 | 33,059 | 656 | 29,562 | 587 | 31,275 | 621 |
| 1973 | 7,040 | 6,485 | 166 | 33,864 | 868 | 30,395 | 779 | 32,036 | 821 |
| 1972 ²¹ | 6,809 | 5,938 | 146 | 32,949 | 812 | 29,330 | 723 | 31,171 | 768 |
| 1971 ²² | 6,578 | 5,578 | 136 | 31,879 | 780 | 28,492 | 697 | 30,159 | 738 |
| 1970 | 6,180 | 5,537 | 125 | 33,031 | 746 | 29,483 | 666 | 31,248 | 706 |
| 1969 | 6,053 | 5,292 | 128 | 33,125 | 803 | 29,497 | 715 | 31,337 | 760 |
| 1968 | 5,870 | 4,754 | 113 | 31,084 | 742 | 27,690 | 661 | 29,407 | 702 |
| 1967 ²³ | 5,728 | 4,325 | 118 | 29,388 | 805 | 26,178 | 717 | 27,802 | 762 |
| ASIAN ALONE OR IN COMBINATION | | | | | | | | | |
| 2020 | 7,539 | 94,718 | 3,538 | 94,718 | 3,538 | 94,718 | 3,538 | 94,718 | 3,538 |
| 2019 | 7,334 | 97,150 | 2,746 | 98,363 | 2,780 | 98,193 | 2,775 | 98,193 | 2,775 |
| 2018 | 7,416 | 86,815 | 2,431 | 89,491 | 2,506 | 89,022 | 2,493 | 89,022 | 2,493 |
| 2017 ² | 7,124 | 81,007 | 1,811 | 85,540 | 1,912 | 84,744 | 1,894 | 84,744 | 1,894 |
| 2017 | 7,114 | 80,961 | 1,895 | 85,491 | 2,001 | 84,695 | 1,982 | 84,695 | 1,982 |
| 2016 | 6,750 | 80,822 | 1,861 | 87,180 | 2,007 | 86,041 | 1,981 | 86,041 | 1,981 |
| 2015 | 6,640 | 76,761 | 2,301 | 83,867 | 2,514 | 82,481 | 2,472 | 82,481 | 2,472 |
| 2014 | 6,333 | 74,829 | 3,259 | 81,897 | 3,567 | 80,309 | 3,498 | 80,309 | 3,498 |
| 2013 ³ | 6,160 | 72,472 | 5,251 | 80,661 | 5,844 | 78,904 | 5,717 | 78,904 | 5,717 |
| 2013 ⁴ | 6,111 | 67,366 | 2,997 | 74,978 | 3,336 | 73,345 | 3,263 | 73,345 | 3,263 |

| | | | | | | | | | |
|---|--------|--------|-------|--------|-------|--------|-------|--------|-------|
| 2012 | 5,872 | 68,182 | 2,857 | 77,010 | 3,227 | 75,142 | 3,149 | 75,142 | 3,149 |
| 2011 | 5,705 | 64,995 | 2,572 | 74,965 | 2,967 | 73,026 | 2,890 | 73,026 | 2,890 |
| 2010 ⁵ | 5,550 | 63,527 | 2,410 | 75,582 | 2,867 | 73,558 | 2,790 | 73,558 | 2,790 |
| 2009 ⁶ | 4,940 | 65,073 | 2,361 | 78,699 | 2,855 | 76,422 | 2,772 | 76,422 | 2,772 |
| 2008 | 4,805 | 65,567 | 2,324 | 79,020 | 2,801 | 76,641 | 2,717 | 76,641 | 2,717 |
| 2007 | 4,715 | 65,876 | 2,280 | 82,442 | 2,853 | 79,875 | 2,764 | 79,875 | 2,764 |
| 2006 | 4,664 | 63,900 | 2,660 | 82,237 | 3,423 | 79,437 | 3,306 | 79,437 | 3,306 |
| 2005 | 4,500 | 61,048 | 1,199 | 81,114 | 1,593 | 78,095 | 1,534 | 78,095 | 1,534 |
| 2004 ⁷ | 4,346 | 57,449 | 1,905 | 78,917 | 2,617 | 75,619 | 2,508 | 75,619 | 2,508 |
| 2003 | 4,235 | 55,262 | 2,027 | 77,964 | 2,859 | 74,562 | 2,734 | 74,562 | 2,734 |
| 2002 | 4,079 | 52,285 | 1,301 | 75,439 | 1,877 | 72,015 | 1,792 | 72,015 | 1,792 |
| ASIAN ALONE ²⁷ | | | | | | | | | |
| 2020 | 6,987 | 94,903 | 3,794 | 94,903 | 3,794 | 94,903 | 3,794 | 94,903 | 3,794 |
| 2019 | 6,853 | 98,174 | 3,068 | 99,400 | 3,106 | 99,228 | 3,101 | 99,228 | 3,101 |
| 2018 | 6,981 | 87,194 | 2,806 | 89,882 | 2,892 | 89,411 | 2,877 | 89,411 | 2,877 |
| 2017 ² | 6,750 | 81,392 | 1,778 | 85,946 | 1,878 | 85,146 | 1,861 | 85,146 | 1,861 |
| 2017 | 6,735 | 81,331 | 1,962 | 85,882 | 2,072 | 85,082 | 2,053 | 85,082 | 2,053 |
| 2016 | 6,392 | 81,431 | 1,916 | 87,837 | 2,067 | 86,689 | 2,040 | 86,689 | 2,040 |
| 2015 | 6,328 | 77,166 | 2,792 | 84,310 | 3,050 | 82,917 | 3,000 | 82,917 | 3,000 |
| 2014 | 6,040 | 74,297 | 3,466 | 81,315 | 3,793 | 79,738 | 3,719 | 79,738 | 3,719 |
| 2013 ³ | 5,818 | 72,383 | 5,530 | 80,562 | 6,155 | 78,808 | 6,021 | 78,808 | 6,021 |
| 2013 ⁴ | 5,759 | 67,065 | 2,829 | 74,643 | 3,149 | 73,018 | 3,080 | 73,018 | 3,080 |
| 2012 | 5,560 | 68,636 | 3,109 | 77,523 | 3,512 | 75,643 | 3,427 | 75,643 | 3,427 |
| 2011 | 5,374 | 65,129 | 2,578 | 75,120 | 2,973 | 73,177 | 2,896 | 73,177 | 2,896 |
| 2010 ⁵ | 5,212 | 64,259 | 2,591 | 76,453 | 3,083 | 74,405 | 3,000 | 74,405 | 3,000 |
| 2009 ⁶ | 4,687 | 65,469 | 2,085 | 79,178 | 2,521 | 76,887 | 2,448 | 76,887 | 2,448 |
| 2008 | 4,573 | 65,637 | 2,280 | 79,105 | 2,748 | 76,723 | 2,665 | 76,723 | 2,665 |
| 2007 | 4,494 | 66,103 | 2,278 | 82,726 | 2,851 | 80,150 | 2,762 | 80,150 | 2,762 |
| 2006 | 4,454 | 64,238 | 2,754 | 82,672 | 3,544 | 79,857 | 3,423 | 79,857 | 3,423 |
| 2005 | 4,273 | 61,094 | 1,171 | 81,175 | 1,556 | 78,154 | 1,498 | 78,154 | 1,498 |
| 2004 ⁷ | 4,123 | 57,504 | 2,010 | 78,993 | 2,761 | 75,692 | 2,646 | 75,692 | 2,646 |
| 2003 | 4,040 | 55,699 | 1,800 | 78,581 | 2,539 | 75,152 | 2,428 | 75,152 | 2,428 |
| 2002 | 3,917 | 52,626 | 1,515 | 75,931 | 2,186 | 72,485 | 2,087 | 72,485 | 2,087 |
| ASIAN AND PACIFIC ISLANDER ²⁵ | | | | | | | | | |
| 2001 | 4,071 | 53,635 | 2,106 | 78,607 | 3,086 | 74,795 | 2,936 | 74,795 | 2,936 |
| 2000 ⁸ | 3,963 | 55,757 | 1,564 | 84,043 | 2,358 | 79,507 | 2,231 | 79,507 | 2,231 |
| 1999 ⁹ | 3,742 | 50,960 | 2,954 | 79,419 | 4,604 | 74,473 | 4,317 | 75,133 | 4,356 |
| 1998 | 3,308 | 46,637 | 2,136 | 74,230 | 3,399 | 69,173 | 3,167 | 70,224 | 3,216 |
| 1997 | 3,125 | 45,249 | 2,069 | 72,996 | 3,338 | 67,647 | 3,093 | 69,057 | 3,158 |
| 1996 | 2,998 | 43,276 | 2,551 | 71,322 | 4,205 | 65,824 | 3,881 | 67,473 | 3,978 |
| 1995 ¹⁰ | 2,777 | 40,614 | 1,676 | 68,718 | 2,836 | 63,096 | 2,604 | 65,010 | 2,683 |
| 1994 ¹¹ | 2,040 | 40,482 | 2,523 | 70,144 | 4,372 | 64,214 | 4,002 | 66,359 | 4,136 |
| 1993 ¹² | 2,233 | 38,347 | 3,102 | 67,832 | 5,488 | 62,097 | 5,024 | 64,171 | 5,192 |
| 1992 ¹³ | 2,262 | 37,801 | 1,795 | 68,553 | 3,255 | 62,738 | 2,979 | 64,853 | 3,079 |
| 1991 | 2,094 | 36,449 | 1,935 | 67,744 | 3,596 | 62,106 | 3,297 | 64,088 | 3,402 |
| 1990 | 1,958 | 38,450 | 1,874 | 74,063 | 3,609 | 67,706 | 3,299 | 70,066 | 3,414 |
| 1989 | 1,988 | 36,102 | 1,605 | 72,970 | 3,245 | 66,363 | 2,951 | 69,032 | 3,070 |
| 1988 | 1,913 | 32,267 | 2,181 | 68,070 | 4,602 | 61,905 | 4,185 | 64,396 | 4,354 |
| 1987 ¹⁴ | N | 32,226 | 1,971 | 70,439 | 4,308 | 64,241 | 3,929 | 66,638 | 4,076 |
| HISPANIC (ANY RACE) ²⁸ | | | | | | | | | |
| 2020 | 18,349 | 55,321 | 1,183 | 55,321 | 1,183 | 55,321 | 1,183 | 55,321 | 1,183 |
| 2019 | 17,667 | 56,114 | 1,172 | 56,814 | 1,187 | 56,716 | 1,185 | 56,716 | 1,185 |
| 2018 | 17,758 | 51,450 | 735 | 53,036 | 758 | 52,758 | 754 | 52,758 | 754 |
| 2017 ² | 17,336 | 50,167 | 759 | 52,974 | 801 | 52,481 | 794 | 52,481 | 794 |
| 2017 | 17,318 | 50,486 | 721 | 53,311 | 761 | 52,815 | 754 | 52,815 | 754 |
| 2016 | 16,915 | 47,675 | 1,112 | 51,425 | 1,199 | 50,753 | 1,183 | 50,753 | 1,183 |
| 2015 | 16,667 | 45,148 | 1,011 | 49,328 | 1,105 | 48,513 | 1,087 | 48,513 | 1,087 |
| 2014 | 16,239 | 42,491 | 849 | 46,505 | 929 | 45,603 | 911 | 45,603 | 911 |
| 2013 ³ | 16,088 | 39,687 | 1,954 | 44,171 | 2,175 | 43,209 | 2,128 | 43,209 | 2,128 |
| 2013 ⁴ | 15,811 | 40,963 | 908 | 45,592 | 1,011 | 44,599 | 989 | 44,599 | 989 |
| 2012 | 15,589 | 39,005 | 878 | 44,055 | 992 | 42,986 | 968 | 42,986 | 968 |
| 2011 | 14,939 | 38,624 | 900 | 44,549 | 1,038 | 43,397 | 1,011 | 43,397 | 1,011 |
| 2010 ⁵ | 14,435 | 37,631 | 957 | 44,772 | 1,139 | 43,573 | 1,108 | 43,573 | 1,108 |
| 2009 ⁶ | 13,298 | 38,039 | 826 | 46,004 | 999 | 44,673 | 970 | 44,673 | 970 |
| 2008 | 13,425 | 37,913 | 800 | 45,692 | 964 | 44,316 | 935 | 44,316 | 935 |
| 2007 | 13,339 | 38,679 | 856 | 48,406 | 1,071 | 46,899 | 1,038 | 46,899 | 1,038 |
| 2006 | 12,973 | 37,781 | 831 | 48,623 | 1,069 | 46,968 | 1,033 | 46,968 | 1,033 |
| 2005 | 12,519 | 35,967 | 587 | 47,789 | 780 | 46,010 | 751 | 46,010 | 751 |
| 2004 ⁷ | 12,178 | 34,271 | 790 | 47,078 | 1,085 | 45,110 | 1,040 | 45,110 | 1,040 |

| | | | | | | | | | |
|------------------------|--------|--------|-----|--------|-------|--------|-------|--------|-------|
| 2003 | 11,693 | 32,997 | 755 | 46,552 | 1,065 | 44,521 | 1,019 | 44,521 | 1,019 |
| 2002 | 11,339 | 33,103 | 793 | 47,763 | 1,144 | 45,595 | 1,092 | 45,595 | 1,092 |
| 2001 | 10,499 | 33,565 | 701 | 49,193 | 1,027 | 46,808 | 977 | 46,808 | 977 |
| 2000 ⁸ | 10,034 | 33,168 | 786 | 49,995 | 1,185 | 47,297 | 1,121 | 47,297 | 1,121 |
| 1999 ⁹ | 9,579 | 30,746 | 735 | 47,916 | 1,146 | 44,932 | 1,075 | 45,330 | 1,084 |
| 1998 | 9,060 | 28,330 | 898 | 45,091 | 1,430 | 42,019 | 1,333 | 42,658 | 1,353 |
| 1997 | 8,590 | 26,628 | 782 | 42,956 | 1,261 | 39,808 | 1,169 | 40,638 | 1,193 |
| 1996 | 8,225 | 24,906 | 794 | 41,047 | 1,309 | 37,883 | 1,208 | 38,832 | 1,238 |
| 1995 ¹⁰ | 7,939 | 22,860 | 819 | 38,678 | 1,386 | 35,513 | 1,273 | 36,591 | 1,311 |
| 1994 ¹¹ | 7,735 | 23,421 | 716 | 40,582 | 1,240 | 37,151 | 1,135 | 38,392 | 1,173 |
| 1993 ¹² | 7,362 | 22,886 | 757 | 40,483 | 1,339 | 37,060 | 1,226 | 38,298 | 1,267 |
| 1992 ¹³ | 7,153 | 22,597 | 768 | 40,980 | 1,393 | 37,504 | 1,275 | 38,768 | 1,318 |
| 1991 | 6,379 | 22,691 | 776 | 42,174 | 1,443 | 38,664 | 1,323 | 39,898 | 1,365 |
| 1990 | 6,220 | 22,330 | 753 | 43,013 | 1,451 | 39,321 | 1,326 | 40,692 | 1,373 |
| 1989 | 5,933 | 21,921 | 699 | 44,307 | 1,413 | 40,295 | 1,285 | 41,916 | 1,337 |
| 1988 | 5,910 | 20,359 | 849 | 42,949 | 1,791 | 39,059 | 1,629 | 40,631 | 1,694 |
| 1987 ¹⁴ | 5,642 | 19,336 | 691 | 42,264 | 1,510 | 38,545 | 1,377 | 39,983 | 1,429 |
| 1986 | 5,418 | 18,352 | 786 | 41,493 | 1,778 | 37,711 | 1,616 | 39,254 | 1,682 |
| 1985 ¹⁵ | 5,213 | 17,465 | 671 | 40,179 | 1,544 | 36,670 | 1,409 | 38,011 | 1,461 |
| 1984 ¹⁶ | 4,883 | 16,992 | 701 | 40,433 | 1,668 | 36,921 | 1,523 | 38,251 | 1,578 |
| 1983 | 4,326 | 15,906 | 663 | 39,424 | 1,643 | 35,867 | 1,495 | 37,296 | 1,554 |
| 1982 | 4,085 | 15,178 | 660 | 39,226 | 1,705 | 35,681 | 1,551 | 37,109 | 1,613 |
| 1981 | 3,980 | 15,300 | 689 | 41,929 | 1,889 | 37,965 | 1,710 | 39,666 | 1,787 |
| 1980 | 3,906 | 13,651 | 608 | 40,942 | 1,825 | 36,908 | 1,645 | 38,733 | 1,727 |
| 1979 ¹⁷ | 3,684 | 13,042 | 619 | 43,496 | 2,063 | 39,060 | 1,853 | 41,149 | 1,952 |
| 1978 | 3,291 | 11,803 | 471 | 43,097 | 1,718 | 38,489 | 1,534 | 40,771 | 1,625 |
| 1977 | 3,304 | 10,647 | 308 | 41,542 | 1,200 | 37,135 | 1,073 | 39,300 | 1,135 |
| 1976 ¹⁸ | 3,081 | 9,569 | 336 | 39,692 | 1,392 | 35,546 | 1,247 | 37,550 | 1,317 |
| 1975 ¹⁹ | 2,948 | 8,865 | 322 | 38,888 | 1,414 | 34,738 | 1,263 | 36,789 | 1,338 |
| 1974 ^{19, 20} | 2,897 | 8,906 | 321 | 42,279 | 1,523 | 37,807 | 1,362 | 39,997 | 1,441 |
| 1973 | 2,722 | 8,144 | 304 | 42,527 | 1,589 | 38,171 | 1,426 | 40,232 | 1,503 |
| 1972 ²¹ | 2,655 | 7,677 | 247 | 42,598 | 1,369 | 37,920 | 1,219 | 40,299 | 1,295 |

N Not available.

¹ A margin of error (MOE) is a measure of an estimate's variability. The larger the MOE in relation to the size of the estimate, the less reliable the estimate. This number, when added to and subtracted from the estimate, forms the 90 percent confidence interval. MOEs shown in this table are based on standard errors calculated using replicate weights.

² Estimates reflect the implementation of an updated processing system and should be used to make comparisons to 2018 and subsequent years.

³ The 2014 CPS ASEC included redesigned questions for income and health insurance coverage. All of the approximately 98,000 addresses were eligible to receive the redesigned set of health insurance coverage questions. The redesigned income questions were implemented to a subsample of these 98,000 addresses using a probability split panel design. Approximately 68,000 addresses were eligible to receive a set of income questions similar to those used in the 2013 CPS ASEC and the remaining 30,000 addresses were eligible to receive the redesigned income questions. The source of these 2013 estimates is the portion of the CPS ASEC sample which received the redesigned income questions, approximately 30,000 addresses.

⁴ The source of these 2013 estimates is the portion of the CPS ASEC sample which received the income questions consistent with the 2013 CPS ASEC, approximately 68,000 addresses.

⁵ Implementation of 2010 Census-based population controls. Beginning with 2010, standard errors in this table were calculated using replicate weights. Before 2010, standard errors were calculated using the generalized variance function.

⁶ Median income is calculated using \$2,500 intervals. Beginning with 2009 income data, the Census Bureau expanded the upper income intervals used to calculate medians to \$250,000 or more. Medians falling in the upper open-ended interval are plugged with "\$250,000." Before 2009, the upper open-ended interval was \$100,000 and a plug of "\$100,000" was used.

⁷ Data have been revised to reflect a correction to the weights in the 2005 CPS ASEC.

⁸ Implementation of a 28,000 household sample expansion.

⁹ Implementation of 2000 Census-based population controls.

¹⁰ Full implementation of 1990 Census-based sample design and metropolitan definitions, 7,000 household sample reduction, and revised editing of responses on race.

¹¹ Introduction of 1990 Census sample design.

¹² Data collection method changed from paper and pencil to computer-assisted interviewing. In addition, the 1994 CPS ASEC was revised to allow for the coding of different income amounts on selected questionnaire items. Limits either increased or decreased in the following categories: earnings limits increased to \$999,999; social security limits increased to \$49,999; supplemental security income and public assistance limits increased to \$24,999; veterans' benefits limits increased to \$99,999; child support and alimony limits decreased to \$49,999.

¹³ Implementation of 1990 Census population controls.

¹⁴ Implementation of a new CPS ASEC processing system.

¹⁵ Recording of amounts for earnings from longest job increased to \$299,999. Full implementation of 1980 Census-based sample design.

¹⁶ Implementation of Hispanic population weighting controls and introduction of 1980 Census-based sample design.

¹⁷ Implementation of 1980 Census population controls. Questionnaire expanded to allow the recording of up to 27 possible values from a list of 51 possible sources of income.

¹⁸ First year medians were derived using both Pareto and linear interpolation. Before this year, all medians were derived using linear interpolation.

¹⁹ Some of these estimates were derived using Pareto interpolation and may differ from published data, which were derived using linear interpolation.

²⁰ Implementation of a new CPS ASEC processing system. Questionnaire expanded to ask 11 income questions.

²¹ Full implementation of 1970 Census-based sample design.

²² Introduction of 1970 Census sample design and population controls.

²³ Implementation of a new CPS ASEC processing system.

²⁴ Beginning with the 2003 CPS ASEC, respondents were allowed to choose one or more races. White alone refers to people who reported White and did not report any other race category. The use of this single-race population does not imply that it is the preferred method of presenting or analyzing the data. The Census Bureau uses a variety of approaches.

²⁵ For the year 2001 and earlier, the CPS ASEC allowed respondents to report only one race group.

²⁶ Black alone refers to people who reported Black and did not report any other race category.

²⁷ Asian alone refers to people who reported Asian and did not report any other race category.

²⁸ Because Hispanics may be any race, data in this report for Hispanics overlap with data for racial groups. Being Hispanic was reported by 16.0 percent of White householders who reported only one race, 5.3 percent of Black householders who reported only one race, and 2.7 percent of Asian householders who reported only one race. Data users should exercise caution when interpreting aggregate results for the Hispanic population and for race groups because these populations consist of many distinct groups that differ in socioeconomic characteristics, culture, and recency of immigration. Data were first collected for Hispanics in 1972.

Note: Inflation-adjusted estimates may differ slightly from other published data due to rounding. Details of the Consumer Price Index for All Urban Consumers (CPI-U) are available at <www.bls.gov/cpi/questions-and-answers.htm>. The CPI Research Series Using Current Methods (R-CPI-U-RS) is described at <www.bls.gov/cpi/research-series/home.htm>. The Chained Consumer Price Index for All Urban Consumers (C-CPI-U) is described at <www.bls.gov/cpi/additional-resources/chained-cpi.htm>. The Personal Consumption Expenditure Prices Index (PCEPI) is described at <www.bea.gov/data/personal-consumption-expenditures-price-index>. The current method for historical income adjustment uses the R-CPI-U-RS from 1978 to the present and the CPI-U-X1 from 1967 to 1977. The CPI-U-X1 was an experimental series that preceded the R-CPI-U-RS and shows what the inflation rate in the CPI-U might have been, if the current rental equivalence method of measuring the cost of homeownership had been in place prior to 1983.

Source: U.S. Census Bureau, Current Population Survey, 1968 to 2021 Annual Social and Economic Supplements (CPS ASEC).

Table 3.

Historical Median Income of Householders Age 65 and Over Using Alternative Price Indices: 1967 to 2020

(Income in 2020 dollars. Householders 15 years old and over beginning with March 1980, and householders 14 years old and over as of March of the following year for previous years. Information on confidentiality protection, sampling error, nonsampling error, and definitions is available at <https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar21.pdf>. All results were approved for release by the U.S. Census Bureau, authorization number CBDRB-FY21-282.)

65 Years and Older

| Year | Number (thousands) | Current dollars | R-CPI-U-RS/current method | Chained CPI-U (2000-2020) | |
|--------------------|-----------------------|--------------------|------------------------------|---------------------------|--|
| | | | | PCEPI (1967-1999) | R-CPI-U-RS/current method (1967-1999) |
| 2020 | 35,688 | 46,360 | 46,360 | 46,360 | 46,360 |
| 2019 | 34,927 | 47,357 | 47,949 | 47,865 | 47,865 |
| 2018 | 34,156 | 43,696 | 45,043 | 44,807 | 44,807 |
| 2017 ¹ | 32,966 | 41,297 | 43,608 | 43,202 | 43,202 |
| 2017 | 32,973 | 41,125 | 43,426 | 43,022 | 43,022 |
| 2016 | 31,799 | 39,823 | 42,956 | 42,394 | 42,394 |
| 2015 | 30,998 | 38,515 | 42,081 | 41,385 | 41,385 |
| 2014 | 29,946 | 36,895 | 40,380 | 39,597 | 39,597 |
| 2013 ² | 29,069 | 37,297 | 41,511 | 40,607 | 40,607 |
| 2013 ³ | 28,729 | 35,611 | 39,635 | 38,772 | 38,772 |
| 2012 | 27,924 | 33,848 | 38,231 | 37,303 | 37,303 |
| 2011 | 26,843 | 33,118 | 38,198 | 37,210 | 37,210 |
| 2010 ⁴ | 25,737 | 31,461 | 37,431 | 36,429 | 36,429 |
| 2009 ⁵ | 25,270 | 31,354 | 37,919 | 36,822 | 36,822 |
| 2008 | 24,834 | 29,744 | 35,847 | 34,768 | 34,768 |
| 2007 | 24,113 | 28,305 | 35,423 | 34,320 | 34,320 |
| 2006 | 23,729 | 27,798 | 35,775 | 34,557 | 34,557 |
| 2005 | 23,459 | 26,036 | 34,594 | 33,306 | 33,306 |
| 2004 ⁶ | 23,151 | 24,516 | 33,677 | 32,270 | 32,270 |
| 2003 | 23,048 | 23,787 | 33,559 | 32,095 | 32,095 |
| 2002 | 22,659 | 23,152 | 33,405 | 31,889 | 31,889 |
| 2001 | 22,476 | 23,118 | 33,882 | 32,239 | 32,239 |
| 2000 ⁷ | 22,469 | 23,083 | 34,793 | 32,916 | 32,916 |
| 1999 ⁸ | 22,478 | 22,797 | 35,528 | 33,316 | 33,611 |
| 1998 | 21,589 | 21,729 | 34,585 | 32,229 | 32,719 |
| 1997 | 21,497 | 20,761 | 33,492 | 31,038 | 31,684 |
| 1996 | 21,408 | 19,448 | 32,052 | 29,581 | 30,322 |
| 1995 ⁹ | 21,486 | 19,096 | 32,310 | 29,666 | 30,566 |
| 1994 ¹⁰ | 21,365 | 18,095 | 31,354 | 28,703 | 29,662 |
| 1993 ¹¹ | 20,806 | 17,751 | 31,400 | 28,745 | 29,705 |
| 1992 ¹² | 20,682 | 17,135 | 31,075 | 28,439 | 29,398 |
| 1991 | 20,921 | 16,975 | 31,550 | 28,924 | 29,847 |
| 1990 | 20,527 | 16,855 | 32,467 | 29,680 | 30,714 |
| 1989 | 20,156 | 15,771 | 31,876 | 28,990 | 30,156 |
| 1988 | 19,716 | 14,923 | 31,481 | 28,630 | 29,782 |
| 1987 ¹³ | 19,412 | 14,443 | 31,569 | 28,791 | 29,866 |
| 1986 | 18,998 | 13,845 | 31,303 | 28,450 | 29,614 |
| 1985 ¹⁴ | 18,596 | 13,254 | 30,491 | 27,828 | 28,846 |
| 1984 ¹⁵ | 18,155 | 12,799 | 30,456 | 27,810 | 28,812 |
| 1983 | 17,901 | 11,718 | 29,044 | 26,423 | 27,476 |
| 1982 | 17,671 | 11,041 | 28,534 | 25,955 | 26,995 |
| 1981 | 17,312 | 9,903 | 27,139 | 24,573 | 25,674 |
| 1980 | 16,912 | 8,781 | 26,336 | 23,741 | 24,915 |
| 1979 ¹⁶ | 16,544 | 7,879 | 26,277 | 23,597 | 24,859 |
| 1978 | 15,795 | 7,081 | 25,855 | 23,091 | 24,460 |

| | | | | | |
|------------------------|--------|-------|--------|--------|--------|
| 1977 | 15,225 | 6,347 | 24,764 | 22,137 | 23,428 |
| 1976 ¹⁷ | 14,816 | 5,962 | 24,730 | 22,147 | 23,396 |
| 1975 ¹⁸ | 14,802 | 5,585 | 24,499 | 21,885 | 23,177 |
| 1974 ^{18, 19} | 14,263 | 5,292 | 25,122 | 22,465 | 23,766 |
| 1973 | 13,879 | 4,583 | 23,932 | 21,481 | 22,641 |
| 1972 ²⁰ | 13,473 | 4,169 | 23,133 | 20,592 | 21,884 |
| 1971 ²¹ | 13,255 | 3,813 | 21,792 | 19,476 | 20,616 |
| 1970 | 12,622 | 3,498 | 20,868 | 18,626 | 19,741 |
| 1969 | 12,252 | 3,329 | 20,838 | 18,555 | 19,713 |
| 1968 | 12,014 | 3,180 | 20,793 | 18,523 | 19,671 |
| 1967 ²² | 11,792 | 2,760 | 18,754 | 16,706 | 17,742 |

¹ Estimates reflect the implementation of an updated processing system and should be used to make comparisons to 2018 and subsequent years.

² The 2014 CPS ASEC included redesigned questions for income and health insurance coverage. All of the approximately 98,000 addresses were eligible to receive the redesigned set of health insurance coverage questions. The redesigned income questions were implemented to a subsample of these 98,000 addresses using a probability split panel design. Approximately 68,000 addresses were eligible to receive a set of income questions similar to those used in the 2013 CPS ASEC and the remaining 30,000 addresses were eligible to receive the redesigned income questions. The source of these 2013 estimates is the portion of the CPS ASEC sample which received the redesigned income questions, approximately 30,000 addresses.

³ The source of these 2013 estimates is the portion of the CPS ASEC sample which received the income questions consistent with the 2013 CPS ASEC, approximately 68,000 addresses.

⁴ Implementation of 2010 Census-based population controls.

⁵ Median earnings are calculated using \$2,500 intervals. Beginning with 2009 income data, the Census Bureau expanded the upper income intervals used to calculate medians to \$250,000 or more. Medians falling in the upper open-ended interval are plugged with "\$250,000." Before 2009, the upper open-ended interval was \$100,000 and a plug of "\$100,000" was used.

⁶ Data have been revised to reflect a correction to the weights in the 2005 CPS ASEC.

⁷ Implementation of a 28,000 household sample expansion.

⁸ Implementation of 2000 Census-based population controls.

⁹ Full implementation of 1990 Census-based sample design and metropolitan definitions, 7,000 household sample reduction, and revised editing of responses on

¹⁰ Introduction of 1990 Census sample design.

¹¹ Data collection method changed from paper and pencil to computer-assisted interviewing. In addition, the 1994 CPS ASEC was revised to allow for the coding of different income amounts on selected questionnaire items. Limits either increased or decreased in the following categories: earnings limits increased to \$999,999; social security limits increased to \$49,999; supplemental security income and public assistance limits increased to \$24,999; veterans' benefits limits increased to \$99,999; child support and alimony limits decreased to \$49,999.

¹² Implementation of 1990 Census population controls.

¹³ Implementation of a new CPS ASEC processing system.

¹⁴ Recording of amounts for earnings from longest job increased to \$299,999. Full implementation of 1980 Census-based sample design.

¹⁵ Implementation of Hispanic population weighting controls and introduction of 1980 Census-based sample design.

¹⁶ Implementation of 1980 Census population controls. Questionnaire expanded to allow the recording of up to 27 possible values from a list of 51 possible sources of income.

¹⁷ First year medians were derived using both Pareto and linear interpolation. Before this year, all medians were derived using linear interpolation.

¹⁸ Some of these estimates were derived using Pareto interpolation and may differ from published data, which were derived using linear interpolation.

¹⁹ Implementation of a new CPS ASEC processing system. Questionnaire expanded to ask 11 income questions.

²⁰ Full implementation of 1970 Census-based sample design.

²¹ Introduction of 1970 Census sample design and population controls.

²² Implementation of a new CPS ASEC processing system.

Note: Inflation-adjusted estimates may differ slightly from other published data due to rounding. Details of the Consumer Price Index for All Urban Consumers (CPI-U) are available at <www.bls.gov/cpi/questions-and-answers.htm>. The CPI Research Series Using Current Methods (R-CPI-U-RS) is described at <www.bls.gov/cpi/research-series/home.htm>. The Chained Consumer Price Index for All Urban Consumers (C-CPI-U) is described at <www.bls.gov/cpi/additional-resources/chained-cpi.htm>. The Personal Consumption Expenditure Prices Index (PCEPI) is described at <www.bea.gov/data/personal-consumption-expenditures-price-index>. The current method for historical income adjustment uses the R-CPI-U-RS from 1978 to the present and the CPI-U-X1 from 1967 to 1977. The CPI-U-X1 was an experimental series that preceded the R-CPI-U-RS and shows what the inflation rate in the CPI-U might have been, if the current rental equivalence method of measuring the cost of homeownership had been in place prior to 1983.

Source: U.S. Census Bureau, Current Population Survey, 1968 through 2021 Annual Social and Economic Supplements (CPS ASEC).

Table 4.

Median Earnings of Total and Full-Time, Year-Round Workers (Both Sexes Combined) Using Alternative Price Indices: 1974 to 2020

(Earnings in 2020 dollars. People 15 years and older as of March of the following year beginning in 1980, and people 14 years old and older as of March of the following year for previous years. Before 1989 earnings are for civilian workers only. Information on confidentiality protection, sampling error, nonsampling error, and definitions is available at <<https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar21.pdf>>. All results were approved for release by the U.S. Census Bureau, authorization number CDBRB-FY21-282.)

| Year | Total Workers | | | | | Full-time, year-round Workers | | | | |
|--------------------|----------------------------------|-----------------|---------------------------|---------------------------|---------------------------------------|----------------------------------|-----------------|---------------------------|---------------------------|---------------------------------------|
| | Number with earnings (thousands) | Current dollars | R-CPI-U-RS/current method | Chained CPI-U (2000-2020) | | Number with earnings (thousands) | Current dollars | R-CPI-U-RS/current method | Chained CPI-U (2000-2020) | |
| | | | | PCEPI (1967-1999) | R-CPI-U-RS/current method (1967-1999) | | | | PCEPI (1967-1999) | R-CPI-U-RS/current method (1967-1999) |
| 2020 | 166,847 | 41,535 | 41,535 | 41,535 | 41,535 | 105,493 | 56,287 | 56,287 | 56,287 | 56,287 |
| 2019 | 169,802 | 41,537 | 42,056 | 41,983 | 41,983 | 119,158 | 52,000 | 52,650 | 52,558 | 52,558 |
| 2018 | 167,555 | 40,247 | 41,488 | 41,270 | 41,270 | 118,000 | 50,653 | 52,215 | 51,941 | 51,941 |
| 2017 ¹ | 166,311 | 37,989 | 40,115 | 39,741 | 39,741 | 115,727 | 49,755 | 52,539 | 52,050 | 52,050 |
| 2017 | 166,296 | 37,479 | 39,576 | 39,208 | 39,208 | 115,672 | 48,500 | 51,214 | 50,737 | 50,737 |
| 2016 | 164,628 | 36,586 | 39,464 | 38,948 | 38,948 | 113,281 | 47,180 | 50,891 | 50,226 | 50,226 |
| 2015 | 163,409 | 35,706 | 39,012 | 38,367 | 38,367 | 111,099 | 46,361 | 50,653 | 49,816 | 49,816 |
| 2014 | 160,066 | 34,084 | 37,304 | 36,580 | 36,580 | 108,682 | 45,006 | 49,257 | 48,302 | 48,302 |
| 2013 ² | 158,676 | 32,463 | 36,131 | 35,344 | 35,344 | 105,869 | 43,991 | 48,962 | 47,895 | 47,895 |
| 2013 ³ | 158,101 | 32,475 | 36,144 | 35,357 | 35,357 | 105,836 | 43,949 | 48,915 | 47,850 | 47,850 |
| 2012 | 157,191 | 31,921 | 36,054 | 35,180 | 35,180 | 103,051 | 42,799 | 48,341 | 47,168 | 47,168 |
| 2011 | 154,460 | 31,683 | 36,543 | 35,598 | 35,598 | 101,676 | 42,086 | 48,542 | 47,286 | 47,286 |
| 2010 ⁴ | 153,572 | 31,321 | 37,265 | 36,266 | 36,266 | 99,461 | 41,923 | 49,878 | 48,542 | 48,542 |
| 2009 ⁵ | 154,906 | 30,899 | 37,369 | 36,288 | 36,288 | 99,270 | 41,480 | 50,166 | 48,714 | 48,714 |
| 2008 | 158,577 | 30,986 | 37,344 | 36,219 | 36,219 | 104,017 | 41,030 | 49,449 | 47,960 | 47,960 |
| 2007 | 158,777 | 31,091 | 38,910 | 37,698 | 37,698 | 108,597 | 40,320 | 50,460 | 48,888 | 48,888 |
| 2006 | 157,611 | 30,353 | 39,063 | 37,733 | 37,733 | 107,717 | 38,489 | 49,534 | 47,848 | 47,848 |
| 2005 | 155,410 | 28,567 | 37,957 | 36,544 | 36,544 | 104,851 | 36,911 | 49,043 | 47,218 | 47,218 |
| 2004 ⁶ | 153,378 | 27,280 | 37,474 | 35,908 | 35,908 | 102,468 | 36,215 | 49,748 | 47,669 | 47,669 |
| 2003 | 151,880 | 26,911 | 37,966 | 36,310 | 36,310 | 100,680 | 35,795 | 50,500 | 48,296 | 48,296 |
| 2002 | 151,911 | 26,391 | 38,078 | 36,350 | 36,350 | 100,637 | 35,038 | 50,554 | 48,260 | 48,260 |
| 2001 | 151,441 | 26,002 | 38,108 | 36,260 | 36,260 | 100,351 | 33,636 | 49,297 | 46,906 | 46,906 |
| 2000 | 152,151 | 25,278 | 38,102 | 36,046 | 36,046 | 101,321 | 32,255 | 48,618 | 45,995 | 45,995 |
| 1999 ⁷ | 150,375 | 23,492 | 36,611 | 34,331 | 34,636 | 99,170 | 31,489 | 49,074 | 46,018 | 46,426 |
| 1998 | 146,141 | 22,656 | 36,060 | 33,604 | 34,114 | 95,736 | 30,771 | 48,977 | 45,640 | 46,334 |
| 1997 | 144,429 | 21,525 | 34,724 | 32,180 | 32,850 | 92,591 | 30,105 | 48,565 | 45,007 | 45,945 |
| 1996 | 142,782 | 20,716 | 34,142 | 31,509 | 32,299 | 90,217 | 28,300 | 46,641 | 43,045 | 44,124 |
| 1995 ⁸ | 140,176 | 19,952 | 33,758 | 30,996 | 31,936 | 88,149 | 27,147 | 45,932 | 42,174 | 43,453 |
| 1994 ⁹ | 138,970 | 18,757 | 32,501 | 29,753 | 30,747 | 85,734 | 26,675 | 46,220 | 42,313 | 43,726 |
| 1993 ¹⁰ | 136,858 | 18,020 | 31,876 | 29,181 | 30,156 | 83,342 | 26,125 | 46,213 | 42,306 | 43,719 |
| 1992 ¹¹ | 135,528 | 17,456 | 31,657 | 28,971 | 29,948 | 81,793 | 25,842 | 46,865 | 42,890 | 44,336 |
| 1991 | 133,835 | 17,146 | 31,868 | 29,215 | 30,148 | 80,324 | 25,169 | 46,779 | 42,886 | 44,255 |
| 1990 | 134,080 | 16,737 | 32,239 | 29,472 | 30,499 | 80,854 | 24,078 | 46,380 | 42,399 | 43,877 |
| 1989 | 133,383 | 16,333 | 33,012 | 30,023 | 31,231 | 81,017 | 23,333 | 47,161 | 42,891 | 44,616 |
| 1988 | 131,125 | 15,438 | 32,568 | 29,618 | 30,810 | 79,522 | 22,234 | 46,904 | 42,656 | 44,373 |
| 1987 ¹² | 128,904 | 14,612 | 31,939 | 29,128 | 30,215 | 76,926 | 21,522 | 47,042 | 42,903 | 44,504 |
| 1986 | 126,414 | 13,666 | 30,898 | 28,082 | 29,231 | 74,332 | 20,948 | 47,363 | 43,046 | 44,807 |

| | | | | | | | | | | |
|------------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1985 ¹³ | 124,105 | 12,884 | 29,640 | 27,051 | 28,041 | 72,326 | 20,205 | 46,482 | 42,423 | 43,974 |
| 1984 ¹⁴ | 121,680 | 12,142 | 28,892 | 26,383 | 27,333 | 70,274 | 19,264 | 45,839 | 41,858 | 43,365 |
| 1983 | 118,246 | 11,601 | 28,754 | 26,159 | 27,202 | 66,694 | 18,059 | 44,760 | 40,721 | 42,344 |
| 1982 | 116,550 | 11,050 | 28,558 | 25,977 | 27,017 | 63,808 | 17,264 | 44,617 | 40,585 | 42,209 |
| 1981 | 117,173 | 10,609 | 29,074 | 26,325 | 27,505 | 65,102 | 16,435 | 45,040 | 40,782 | 42,609 |
| 1980 | 116,177 | 9,995 | 29,977 | 27,024 | 28,359 | 64,740 | 15,327 | 45,969 | 41,440 | 43,488 |
| 1979 ¹⁵ | 115,545 | 9,034 | 30,129 | 27,056 | 28,503 | 64,519 | 13,970 | 46,591 | 41,839 | 44,077 |
| 1978 | 111,301 | 8,280 | 30,233 | 27,001 | 28,602 | 61,951 | 12,924 | 47,190 | 42,145 | 44,643 |
| 1977 | 107,898 | 7,563 | 29,509 | 26,378 | 27,916 | 58,502 | 12,129 | 47,324 | 42,304 | 44,770 |
| 1976 ¹⁶ | 105,015 | 7,020 | 29,119 | 26,077 | 27,547 | 56,257 | 11,351 | 47,084 | 42,166 | 44,543 |
| 1975 ¹⁷ | 102,194 | 6,616 | 29,022 | 25,925 | 27,456 | 54,719 | 10,750 | 47,157 | 42,124 | 44,612 |
| 1974 ^{17, 18} | 102,719 | 6,182 | 29,347 | 26,243 | 27,763 | 54,861 | 10,048 | 47,700 | 42,655 | 45,126 |

¹ Estimates reflect the implementation of an updated processing system and should be used to make comparisons to 2018 and subsequent years.

² The 2014 CPS ASEC included redesigned questions for income and health insurance coverage. All of the approximately 98,000 addresses were eligible to receive the redesigned set of health insurance coverage questions. The redesigned income questions were implemented to a subsample of these 98,000 addresses using a probability split panel design. Approximately 68,000 addresses were eligible to receive a set of income questions similar to those used in the 2013 CPS ASEC and the remaining 30,000 addresses were eligible to receive the redesigned income questions. The source of these 2013 estimates is the portion of the CPS ASEC sample which received the redesigned income questions, approximately 30,000 addresses.

³ The source of these 2013 estimates is the portion of the CPS ASEC sample which received the income questions consistent with the 2013 CPS ASEC, approximately 68,000 addresses.

⁴ Implementation of 2010 Census-based population controls.

⁵ Median earnings are calculated using \$2,500 intervals. Beginning with 2009 income data, the Census Bureau expanded the upper income intervals used to calculate medians to \$250,000 or more. Medians falling in the upper open-ended interval are plugged with "\$250,000." Before 2009, the upper open-ended interval was \$100,000 and a plug of "\$100,000" was used.

⁶ Data have been revised to reflect a correction to the weights in the 2005 CPS ASEC.

⁷ Implementation of a 28,000 household sample expansion.

⁸ Implementation of 2000 Census-based population controls.

⁹ Full implementation of 1990 Census-based sample design and metropolitan definitions, 7,000 household sample reduction, and revised editing of responses on race.

¹⁰ Introduction of 1990 Census sample design.

¹¹ Data collection method changed from paper and pencil to computer-assisted interviewing. In addition, the 1994 CPS ASEC was revised to allow for the coding of different income amounts on selected questionnaire items. Limits either increased or decreased in the following categories: earnings limits increased to \$999,999; social security limits increased to \$49,999; supplemental security income and public assistance limits increased to \$24,999; veterans' benefits limits increased to \$99,999; child support and alimony limits decreased to \$49,999.

¹² Implementation of 1990 Census population controls.

¹³ Implementation of a new CPS ASEC processing system.

¹⁴ Recording of amounts for earnings from longest job increased to \$299,999. Full implementation of 1980 Census-based sample design.

¹⁵ Implementation of Hispanic population weighting controls and introduction of 1980 Census-based sample design.

¹⁶ Implementation of 1980 Census population controls. Questionnaire expanded to allow the recording of up to 27 possible values from a list of 51 possible sources of income.

¹⁷ First year medians were derived using both Pareto and linear interpolation. Before this year, all medians were derived using linear interpolation.

¹⁸ Some of these estimates were derived using Pareto interpolation and may differ from published data, which were derived using linear interpolation.

Note: Inflation-adjusted estimates may differ slightly from other published data due to rounding. Details of the Consumer Price Index for All Urban Consumers (CPI-U) are available at <www.bls.gov/cpi/questions-and-answers.htm>. The CPI Research Series Using Current Methods (R-CPI-U-RS) is described at <www.bls.gov/cpi/research-series/home.htm>. The Chained Consumer Price Index for All Urban Consumers (C-CPI-U) is described at <www.bls.gov/cpi/additional-resources/chained-cpi.htm>. The Personal Consumption Expenditure Prices Index (PCEPI) is described at <www.bea.gov/data/personal-consumption-expenditures-price-index>. The current method for historical income adjustment uses the R-CPI-U-RS from 1978 to the present and the CPI-U-X1 from 1967 to 1977. The CPI-U-X1 was an experimental series that preceded the R-CPI-U-RS and shows what the inflation rate in the CPI-U might have been, if the current rental equivalence method of measuring the cost of homeownership had been in place prior to 1983.

Source: U.S. Census Bureau, Current Population Survey, 1975 to 2021 Annual Social and Economic Supplements (CPS ASEC).

Table 5.
Median Earnings of Full-Time, Year-Round Workers by Sex Using Alternative Price Indices: 1974 to 2020

(Earnings in 2020 dollars. People 15 years and older as of March of the following year beginning in 1980, and people 14 years old and older as of March of the following year for previous years. Before 1989 earnings are for civilian workers only. Information on confidentiality protection, sampling error, nonsampling error, and definitions is available at <<https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar21.pdf>>. All results were approved for release by the U.S. Census Bureau, authorization number CBDRB-FY21-282.)

| Year | Full-time, year-round workers | | | | | | | | | | | | | | | | | |
|--------------------|---|-----------------|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------------------|----------------------------------|---|-----------------|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------------------|----------------------------------|
| | Male | | | | | | | | | Female | | | | | | | | |
| | Number of workers with earnings (thousands) | Current dollars | | R-CPI-U-RS/current method | | Chained CPI-U (2000-2020) | | | | Number of workers with earnings (thousands) | Current dollars | | R-CPI-U-RS/current method | | Chained CPI-U (2000-2020) | | | |
| | | | | | | PCEPI (1967-1999) | | R-CPI-U-RS/current method (1967-1999) | | | | | | | PCEPI (1967-1999) | | R-CPI-U-RS/current method (1967-1999) | |
| | | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) |
| 2020 | 59,634 | 61,417 | 284 | 61,417 | 284 | 61,417 | 284 | 61,417 | 284 | 45,859 | 50,982 | 277 | 50,982 | 277 | 50,982 | 277 | 50,982 | 277 |
| 2019 | 67,123 | 57,456 | 865 | 58,173 | 876 | 58,073 | 874 | 58,073 | 874 | 52,035 | 47,299 | 367 | 47,889 | 372 | 47,806 | 371 | 47,806 | 371 |
| 2018 | 67,205 | 55,291 | 474 | 56,995 | 489 | 56,697 | 486 | 56,697 | 486 | 50,795 | 45,098 | 487 | 46,488 | 502 | 46,245 | 499 | 46,245 | 499 |
| 2017 ² | 66,500 | 52,186 | 223 | 55,106 | 236 | 54,593 | 234 | 54,593 | 234 | 49,227 | 42,619 | 872 | 45,004 | 921 | 44,585 | 912 | 44,585 | 912 |
| 2017 | 66,379 | 52,146 | 225 | 55,064 | 238 | 54,551 | 236 | 54,551 | 236 | 49,293 | 41,977 | 207 | 44,326 | 219 | 43,913 | 217 | 43,913 | 217 |
| 2016 | 64,953 | 51,640 | 210 | 55,702 | 227 | 54,974 | 224 | 54,974 | 224 | 48,328 | 41,554 | 245 | 44,823 | 264 | 44,237 | 261 | 44,237 | 261 |
| 2015 | 63,887 | 51,212 | 223 | 55,953 | 244 | 55,028 | 240 | 55,028 | 240 | 47,211 | 40,742 | 240 | 44,514 | 262 | 43,778 | 258 | 43,778 | 258 |
| 2014 | 62,455 | 50,383 | 217 | 55,142 | 238 | 54,073 | 233 | 54,073 | 233 | 46,226 | 39,621 | 717 | 43,364 | 785 | 42,523 | 770 | 42,523 | 770 |
| 2013 ³ | 61,240 | 50,015 | 934 | 55,666 | 1,040 | 54,454 | 1,017 | 54,454 | 1,017 | 44,629 | 38,793 | 1,145 | 43,176 | 1,274 | 42,236 | 1,246 | 42,236 | 1,246 |
| 2013 ⁴ | 60,769 | 50,033 | 404 | 55,686 | 450 | 54,473 | 440 | 54,473 | 440 | 45,068 | 39,157 | 597 | 43,581 | 665 | 42,632 | 651 | 42,632 | 651 |
| 2012 | 59,009 | 49,398 | 768 | 55,794 | 868 | 54,441 | 847 | 54,441 | 847 | 44,042 | 37,791 | 594 | 42,684 | 671 | 41,649 | 655 | 41,649 | 655 |
| 2011 | 57,993 | 48,202 | 779 | 55,596 | 899 | 54,158 | 876 | 54,158 | 876 | 43,683 | 37,118 | 253 | 42,812 | 292 | 41,704 | 284 | 41,704 | 284 |
| 2010 ⁵ | 56,283 | 47,951 | 804 | 57,050 | 957 | 55,522 | 931 | 55,522 | 931 | 43,179 | 36,888 | 240 | 43,888 | 286 | 42,712 | 278 | 42,712 | 278 |
| 2009 | 56,053 | 47,127 | 241 | 56,995 | 292 | 55,346 | 284 | 55,346 | 284 | 43,217 | 36,278 | 173 | 43,874 | 209 | 42,604 | 203 | 42,604 | 203 |
| 2008 | 59,861 | 46,367 | 238 | 55,881 | 287 | 54,198 | 278 | 54,198 | 278 | 44,156 | 35,745 | 174 | 43,079 | 210 | 41,782 | 204 | 41,782 | 204 |
| 2007 | 62,984 | 45,113 | 247 | 56,458 | 309 | 54,700 | 299 | 54,700 | 299 | 45,613 | 35,102 | 168 | 43,929 | 210 | 42,561 | 203 | 42,561 | 203 |
| 2006 | 63,055 | 42,261 | 145 | 54,389 | 186 | 52,537 | 180 | 52,537 | 180 | 44,663 | 32,515 | 305 | 41,846 | 392 | 40,421 | 379 | 40,421 | 379 |
| 2005 | 61,500 | 41,386 | 148 | 54,989 | 197 | 52,942 | 190 | 52,942 | 190 | 43,351 | 31,858 | 133 | 42,329 | 177 | 40,754 | 170 | 40,754 | 170 |
| 2004 ⁶ | 60,088 | 40,796 | 148 | 56,041 | 203 | 53,699 | 195 | 53,699 | 195 | 42,380 | 31,240 | 130 | 42,914 | 179 | 41,120 | 172 | 41,120 | 172 |
| 2003 | 58,772 | 40,668 | 148 | 57,375 | 209 | 54,872 | 200 | 54,872 | 200 | 41,908 | 30,724 | 137 | 43,346 | 193 | 41,455 | 185 | 41,455 | 185 |
| 2002 | 58,761 | 39,429 | 401 | 56,890 | 579 | 54,308 | 553 | 54,308 | 553 | 41,876 | 30,203 | 132 | 43,578 | 190 | 41,600 | 181 | 41,600 | 181 |
| 2001 | 58,712 | 38,275 | 424 | 56,095 | 622 | 53,375 | 592 | 53,375 | 592 | 41,639 | 29,215 | 272 | 42,817 | 398 | 40,741 | 379 | 40,741 | 379 |
| 2000 ⁷ | 59,602 | 37,252 | 166 | 56,151 | 250 | 53,121 | 237 | 53,121 | 237 | 41,719 | 27,462 | 168 | 41,394 | 253 | 39,160 | 239 | 39,160 | 239 |
| 1999 ⁸ | 58,299 | 36,391 | 224 | 56,714 | 349 | 53,182 | 327 | 53,653 | 330 | 40,871 | 26,316 | 186 | 41,013 | 290 | 38,459 | 272 | 38,800 | 274 |
| 1998 | 56,951 | 35,345 | 219 | 56,257 | 348 | 52,424 | 324 | 53,221 | 329 | 38,785 | 25,862 | 194 | 41,163 | 309 | 38,358 | 288 | 38,942 | 292 |
| 1997 | 54,909 | 33,674 | 528 | 54,323 | 852 | 50,342 | 790 | 51,391 | 806 | 37,683 | 24,973 | 255 | 40,287 | 411 | 37,335 | 381 | 38,113 | 389 |
| 1996 | 53,787 | 32,144 | 189 | 52,976 | 312 | 48,892 | 288 | 50,117 | 295 | 36,430 | 23,710 | 273 | 39,076 | 450 | 36,064 | 415 | 36,967 | 426 |
| 1995 ⁹ | 52,667 | 31,496 | 189 | 53,290 | 320 | 48,930 | 294 | 50,414 | 303 | 35,482 | 22,497 | 225 | 38,064 | 381 | 34,950 | 350 | 36,010 | 360 |
| 1994 ¹⁰ | 51,580 | 30,854 | 204 | 53,462 | 353 | 48,942 | 323 | 50,577 | 334 | 34,155 | 22,205 | 181 | 38,475 | 314 | 35,222 | 287 | 36,399 | 297 |
| 1993 ¹¹ | 49,818 | 30,407 | 192 | 53,787 | 340 | 49,240 | 311 | 50,884 | 322 | 33,524 | 21,747 | 158 | 38,468 | 279 | 35,216 | 255 | 36,392 | 264 |
| 1992 ¹² | 48,551 | 30,197 | 187 | 54,763 | 340 | 50,118 | 311 | 51,808 | 322 | 33,241 | 21,375 | 168 | 38,764 | 304 | 35,476 | 278 | 36,672 | 288 |
| 1991 | 47,888 | 29,421 | 364 | 54,682 | 676 | 50,131 | 620 | 51,731 | 640 | 32,436 | 20,553 | 161 | 38,200 | 300 | 35,021 | 275 | 36,138 | 284 |
| 1990 | 49,171 | 27,678 | 341 | 53,314 | 656 | 48,738 | 600 | 50,437 | 621 | 31,682 | 19,822 | 209 | 38,182 | 402 | 34,905 | 367 | 36,121 | 380 |
| 1989 | 49,678 | 27,331 | 184 | 55,242 | 372 | 50,240 | 338 | 52,261 | 352 | 31,340 | 18,769 | 207 | 37,936 | 419 | 34,501 | 381 | 35,889 | 396 |
| 1988 | 48,285 | 26,656 | 192 | 56,233 | 406 | 51,140 | 369 | 53,198 | 384 | 31,237 | 17,606 | 207 | 37,141 | 437 | 33,777 | 397 | 35,137 | 413 |
| 1987 ¹³ | 47,013 | 25,946 | 178 | 56,712 | 388 | 51,722 | 354 | 53,651 | 367 | 29,912 | 16,911 | 130 | 36,964 | 284 | 33,711 | 259 | 34,969 | 269 |
| 1986 | 45,912 | 25,256 | 178 | 57,103 | 402 | 51,899 | 365 | 54,021 | 380 | 28,420 | 16,232 | 140 | 36,700 | 316 | 33,355 | 287 | 34,719 | 299 |
| 1985 ¹⁴ | 44,943 | 24,195 | 232 | 55,662 | 534 | 50,800 | 487 | 52,658 | 505 | 27,383 | 15,624 | 135 | 35,944 | 310 | 32,805 | 283 | 34,004 | 293 |
| 1984 ¹⁵ | 43,808 | 23,218 | 196 | 55,248 | 466 | 50,449 | 426 | 52,266 | 441 | 26,466 | 14,780 | 143 | 35,169 | 341 | 32,114 | 311 | 33,271 | 323 |
| 1983 | 41,528 | 21,881 | 165 | 54,233 | 408 | 49,339 | 371 | 51,306 | 386 | 25,166 | 13,915 | 140 | 34,489 | 347 | 31,377 | 316 | 32,628 | 328 |

| | | | | | | | | | | | | | | | | | | |
|------------------------|--------|--------|-----|--------|-----|--------|-----|--------|-----|--------|--------|-----|--------|-----|--------|-----|--------|-----|
| 1982 | 40,105 | 21,077 | 146 | 54,472 | 378 | 49,549 | 344 | 51,532 | 358 | 23,702 | 13,014 | 145 | 33,633 | 374 | 30,593 | 340 | 31,818 | 354 |
| 1981 | 41,773 | 20,260 | 117 | 55,522 | 320 | 50,273 | 290 | 52,526 | 303 | 23,329 | 12,001 | 82 | 32,888 | 225 | 29,779 | 204 | 31,113 | 213 |
| 1980 | 41,881 | 18,612 | 155 | 55,821 | 464 | 50,321 | 418 | 52,809 | 439 | 22,859 | 11,197 | 81 | 33,582 | 242 | 30,273 | 218 | 31,770 | 229 |
| 1979 ¹⁶ | 42,437 | 17,014 | 110 | 56,743 | 368 | 50,955 | 330 | 53,681 | 348 | 22,082 | 10,151 | 85 | 33,854 | 285 | 30,401 | 256 | 32,027 | 270 |
| 1978 | 41,036 | 15,730 | 89 | 57,436 | 324 | 51,295 | 289 | 54,336 | 307 | 20,914 | 9,350 | 85 | 34,140 | 312 | 30,490 | 279 | 32,298 | 295 |
| 1977 | 39,263 | 14,626 | 114 | 57,067 | 443 | 51,013 | 396 | 53,987 | 419 | 19,238 | 8,618 | 64 | 33,625 | 250 | 30,058 | 223 | 31,810 | 237 |
| 1976 ¹⁷ | 38,184 | 13,455 | 87 | 55,811 | 362 | 49,982 | 324 | 52,799 | 342 | 18,073 | 8,099 | 66 | 33,595 | 273 | 30,086 | 244 | 31,782 | 258 |
| 1975 ¹⁸ | 37,267 | 12,758 | 82 | 55,965 | 361 | 49,993 | 322 | 52,945 | 342 | 17,452 | 7,504 | 62 | 32,917 | 274 | 29,404 | 245 | 31,141 | 259 |
| 1974 ^{18, 19} | 37,916 | 11,863 | 84 | 56,316 | 398 | 50,359 | 356 | 53,277 | 377 | 16,945 | 6,970 | 56 | 33,088 | 266 | 29,588 | 238 | 31,302 | 252 |

¹ A margin of error (MOE) is a measure of an estimate's variability. The larger the MOE in relation to the size of the estimate, the less reliable the estimate. This number, when added to and subtracted from the estimate, forms the 90 percent confidence interval. MOEs shown in this table are based on standard errors calculated using replicate weights.

² Estimates reflect the implementation of an updated processing system and should be used to make comparisons to 2018 and subsequent years.

³ The 2014 CPS ASEC included redesigned questions for income and health insurance coverage. All of the approximately 98,000 addresses were eligible to receive the redesigned set of health insurance coverage questions. The redesigned income questions were implemented to a subsample of these 98,000 addresses using a probability split panel design. Approximately 68,000 addresses were eligible to receive a set of income questions similar to those used in the 2013 CPS ASEC and the remaining 30,000 addresses were eligible to receive the redesigned income questions. The source of these 2013 estimates is the portion of the CPS ASEC sample which received the redesigned income questions, approximately 30,000 addresses.

⁴ The source of these 2013 estimates is the portion of the CPS ASEC sample which received the income questions consistent with the 2013 CPS ASEC, approximately 68,000 addresses.

⁵ Implementation of 2010 Census-based population controls.

⁶ Median earnings are calculated using \$2,500 intervals. Beginning with 2009 income data, the Census Bureau expanded the upper income intervals used to calculate medians to \$250,000 or more. Medians falling in the upper open-ended interval are plugged with "\$250,000." Before 2009, the upper open-ended interval was \$100,000 and a plug of "\$100,000" was used.

⁷ Data have been revised to reflect a correction to the weights in the 2005 CPS ASEC.

⁸ Implementation of a 28,000 household sample expansion.

⁹ Implementation of 2000 Census-based population controls.

¹⁰ Full implementation of 1990 Census-based sample design and metropolitan definitions, 7,000 household sample reduction, and revised editing of responses on race.

¹¹ Introduction of 1990 Census sample design.

¹² Data collection method changed from paper and pencil to computer-assisted interviewing. In addition, the 1994 CPS ASEC was revised to allow for the coding of different income amounts on selected questionnaire items. Limits either increased or decreased in the following categories: earnings limits increased to \$999,999; social security limits increased to \$49,999; supplemental security income and public assistance limits increased to \$24,999; veterans' benefits limits increased to \$99,999; child support and alimony limits decreased to \$49,999.

¹³ Implementation of 1990 Census population controls.

¹⁴ Implementation of a new CPS ASEC processing system.

¹⁵ Recording of amounts for earnings from longest job increased to \$299,999. Full implementation of 1980 Census-based sample design.

¹⁶ Implementation of Hispanic population weighting controls and introduction of 1980 Census-based sample design.

¹⁷ Implementation of 1980 Census population controls. Questionnaire expanded to allow the recording of up to 27 possible values from a list of 51 possible sources of income.

¹⁸ First year medians were derived using both Pareto and linear interpolation. Before this year, all medians were derived using linear interpolation.

¹⁹ Some of these estimates were derived using Pareto interpolation and may differ from published data, which were derived using linear interpolation.

Note: Inflation-adjusted estimates may differ slightly from other published data due to rounding. Details of the Consumer Price Index for All Urban Consumers (CPI-U) are available at <www.bls.gov/cpi/questions-and-answers.htm>. The CPI Research Series Using Current Methods (R-CPI-U-RS) is described at <www.bls.gov/cpi/research-series/home.htm>. The Chained Consumer Price Index for All Urban Consumers (C-CPI-U) is described at <www.bls.gov/cpi/additional-resources/chained-cpi.htm>. The Personal Consumption Expenditure Prices Index (PCEPI) is described at <www.bea.gov/data/personal-consumption-expenditures-price-index>. The current method for historical income adjustment uses the R-CPI-U-RS from 1978 to the present and the CPI-U-X1 from 1967 to 1977. The CPI-U-X1 was an experimental series that preceded the R-CPI-U-RS and shows what the inflation rate in the CPI-U might have been, if the current rental equivalence method of measuring the cost of homeownership had been in place prior to 1983.

Source: U.S. Census Bureau, Current Population Survey, 1975 to 2021 Annual Social and Economic Supplements (CPS ASEC).

Table 6.

Median Earnings of Total Workers by Sex Using Alternative Price Indices: 1974 to 2020

(Earnings in 2020 dollars. People 15 years and older as of March of the following year beginning in 1980, and people 14 years old and older as of March of the following year for previous years. Before 1989 earnings are for civilian workers only. Information on confidentiality protection, sampling error, nonsampling error, and definitions is available at <<https://www2.census.gov/programs-surveys/cps/techdocs/cpsmar21.pdf>>. All results were approved for release by the U.S. Census Bureau, authorization number CDBRB-FY21-282.)

| Year | Total Workers | | | | | | | | | | | | | | | | | |
|--------------------|---|-----------------|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------------------|----------------------------------|---|-----------------|----------------------------------|---------------------------|----------------------------------|---------------------------|----------------------------------|---------------------------------------|----------------------------------|
| | Male | | | | | | | | | Female | | | | | | | | |
| | Number of workers with earnings (thousands) | Current dollars | | R-CPI-U-RS/current method | | Chained CPI-U (2000-2020) | | | | Number of workers with earnings (thousands) | Current dollars | | R-CPI-U-RS/current method | | Chained CPI-U (2000-2020) | | | |
| | | | | | | PCEPI (1967-1999) | | R-CPI-U-RS/current method (1967-1999) | | | | | | | PCEPI (1967-1999) | | R-CPI-U-RS/current method (1967-1999) | |
| | | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) | Estimate | Margin of error ¹ (±) |
| 2020 | 87,599 | 49,389 | 919 | 49,389 | 919 | 49,389 | 919 | 49,389 | 919 | 79,248 | 35,838 | 305 | 35,838 | 305 | 35,838 | 305 | 35,838 | 305 |
| 2019 | 89,023 | 48,769 | 822 | 49,378 | 832 | 49,293 | 831 | 49,293 | 831 | 80,779 | 35,826 | 266 | 36,273 | 269 | 36,210 | 269 | 36,210 | 269 |
| 2018 | 88,115 | 46,741 | 406 | 48,182 | 419 | 47,930 | 417 | 47,930 | 417 | 79,440 | 32,654 | 691 | 33,661 | 712 | 33,485 | 708 | 33,485 | 708 |
| 2017 ² | 88,020 | 45,067 | 674 | 47,589 | 712 | 47,146 | 705 | 47,146 | 705 | 78,291 | 31,887 | 190 | 33,671 | 201 | 33,358 | 199 | 33,358 | 199 |
| 2017 | 88,101 | 44,408 | 1,227 | 46,893 | 1,296 | 46,456 | 1,284 | 46,456 | 1,284 | 78,196 | 31,610 | 171 | 33,379 | 181 | 33,068 | 179 | 33,068 | 179 |
| 2016 | 86,886 | 42,220 | 235 | 45,541 | 254 | 44,946 | 251 | 44,946 | 251 | 77,742 | 30,882 | 202 | 33,311 | 218 | 32,876 | 215 | 32,876 | 215 |
| 2015 | 86,435 | 41,615 | 231 | 45,468 | 252 | 44,717 | 248 | 44,717 | 248 | 76,974 | 30,246 | 176 | 33,046 | 192 | 32,500 | 189 | 32,500 | 189 |
| 2014 | 84,494 | 40,638 | 214 | 44,477 | 234 | 43,614 | 229 | 43,614 | 229 | 75,572 | 28,394 | 474 | 31,076 | 519 | 30,473 | 509 | 30,473 | 509 |
| 2013 ³ | 83,855 | 40,229 | 499 | 44,775 | 555 | 43,800 | 543 | 43,800 | 543 | 74,821 | 27,390 | 464 | 30,485 | 516 | 29,821 | 505 | 29,821 | 505 |
| 2013 ⁴ | 83,555 | 39,903 | 719 | 44,412 | 800 | 43,445 | 783 | 43,445 | 783 | 74,545 | 27,736 | 598 | 30,870 | 666 | 30,198 | 651 | 30,198 | 651 |
| 2012 | 83,003 | 37,916 | 681 | 42,825 | 769 | 41,786 | 750 | 41,786 | 750 | 74,188 | 26,882 | 226 | 30,363 | 255 | 29,627 | 249 | 29,627 | 249 |
| 2011 | 81,366 | 37,341 | 273 | 43,069 | 315 | 41,955 | 307 | 41,955 | 307 | 73,094 | 26,550 | 217 | 30,623 | 250 | 29,831 | 244 | 29,831 | 244 |
| 2010 ⁵ | 80,856 | 36,784 | 261 | 43,764 | 311 | 42,592 | 303 | 42,592 | 303 | 72,716 | 26,503 | 215 | 31,532 | 256 | 30,687 | 249 | 30,687 | 249 |
| 2009 | 81,934 | 36,331 | 194 | 43,938 | 235 | 42,667 | 228 | 42,667 | 228 | 72,972 | 26,030 | 153 | 31,480 | 185 | 30,569 | 180 | 30,569 | 180 |
| 2008 | 84,039 | 36,568 | 176 | 44,071 | 212 | 42,744 | 206 | 42,744 | 206 | 74,538 | 25,650 | 159 | 30,913 | 192 | 29,982 | 186 | 29,982 | 186 |
| 2007 | 84,842 | 36,635 | 174 | 45,848 | 218 | 44,420 | 211 | 44,420 | 211 | 74,295 | 25,878 | 149 | 32,386 | 187 | 31,378 | 181 | 31,378 | 181 |
| 2006 | 83,928 | 35,879 | 176 | 46,175 | 227 | 44,603 | 219 | 44,603 | 219 | 73,683 | 24,466 | 252 | 31,487 | 324 | 30,415 | 313 | 30,415 | 313 |
| 2005 | 82,934 | 34,349 | 462 | 45,639 | 614 | 43,940 | 591 | 43,940 | 591 | 72,476 | 23,074 | 236 | 30,658 | 313 | 29,517 | 301 | 29,517 | 301 |
| 2004 ⁶ | 81,448 | 32,483 | 265 | 44,622 | 364 | 42,757 | 349 | 42,757 | 349 | 71,930 | 22,256 | 130 | 30,573 | 179 | 29,295 | 172 | 29,295 | 172 |
| 2003 | 80,508 | 32,048 | 130 | 45,214 | 183 | 43,241 | 175 | 43,241 | 175 | 71,372 | 22,004 | 133 | 31,043 | 188 | 29,688 | 180 | 29,688 | 180 |
| 2002 | 80,500 | 31,647 | 135 | 45,662 | 195 | 43,589 | 186 | 43,589 | 186 | 71,411 | 21,429 | 123 | 30,919 | 178 | 29,516 | 170 | 29,516 | 170 |
| 2001 | 80,209 | 31,364 | 130 | 45,967 | 190 | 43,738 | 181 | 43,738 | 181 | 71,232 | 20,851 | 130 | 30,559 | 190 | 29,077 | 181 | 29,077 | 181 |
| 2000 ⁷ | 80,494 | 30,951 | 128 | 46,653 | 193 | 44,135 | 183 | 44,135 | 183 | 71,657 | 20,267 | 127 | 30,549 | 191 | 28,900 | 181 | 28,900 | 181 |
| 1999 ⁸ | 79,322 | 30,079 | 239 | 46,877 | 372 | 43,958 | 349 | 44,347 | 352 | 71,053 | 18,440 | 266 | 28,738 | 415 | 26,948 | 389 | 27,187 | 393 |
| 1998 | 77,295 | 28,755 | 383 | 45,768 | 610 | 42,650 | 568 | 43,298 | 577 | 68,846 | 17,716 | 265 | 28,198 | 422 | 26,277 | 393 | 26,676 | 399 |
| 1997 | 76,694 | 26,843 | 201 | 43,303 | 324 | 40,130 | 300 | 40,966 | 307 | 67,736 | 16,716 | 178 | 26,966 | 287 | 24,990 | 266 | 25,511 | 272 |
| 1996 | 76,121 | 25,785 | 202 | 42,496 | 333 | 39,220 | 307 | 40,203 | 315 | 66,661 | 16,028 | 180 | 26,415 | 296 | 24,379 | 273 | 24,989 | 280 |
| 1995 ⁹ | 74,619 | 25,018 | 260 | 42,330 | 440 | 38,867 | 404 | 40,046 | 416 | 65,557 | 15,322 | 168 | 25,924 | 284 | 23,803 | 261 | 24,525 | 269 |
| 1994 ¹⁰ | 74,264 | 23,656 | 304 | 40,989 | 527 | 37,524 | 482 | 38,777 | 499 | 64,706 | 14,323 | 215 | 24,818 | 373 | 22,720 | 341 | 23,479 | 353 |
| 1993 ¹¹ | 73,198 | 22,443 | 215 | 39,700 | 381 | 36,344 | 349 | 37,558 | 360 | 63,660 | 13,896 | 224 | 24,581 | 396 | 22,503 | 363 | 23,254 | 375 |
| 1992 ¹² | 73,120 | 21,903 | 189 | 39,721 | 343 | 36,352 | 314 | 37,577 | 324 | 62,408 | 13,527 | 221 | 24,531 | 400 | 22,450 | 366 | 23,207 | 378 |
| 1991 | 72,040 | 21,857 | 181 | 40,624 | 336 | 37,243 | 308 | 38,432 | 318 | 61,796 | 12,884 | 206 | 23,946 | 382 | 21,953 | 350 | 22,654 | 361 |
| 1990 | 72,348 | 21,522 | 168 | 41,456 | 323 | 37,898 | 295 | 39,219 | 306 | 61,732 | 12,250 | 131 | 23,596 | 253 | 21,571 | 231 | 22,323 | 239 |
| 1989 | 72,045 | 21,376 | 171 | 43,205 | 346 | 39,293 | 315 | 40,873 | 327 | 61,338 | 11,736 | 128 | 23,721 | 259 | 21,573 | 236 | 22,441 | 245 |
| 1988 | 70,467 | 20,612 | 186 | 43,483 | 392 | 39,545 | 356 | 41,136 | 371 | 60,658 | 11,096 | 130 | 23,408 | 274 | 21,288 | 249 | 22,145 | 259 |
| 1987 ¹³ | 69,545 | 19,818 | 238 | 43,318 | 521 | 39,506 | 475 | 40,980 | 493 | 59,359 | 10,619 | 115 | 23,211 | 252 | 21,169 | 230 | 21,958 | 238 |
| 1986 | 68,728 | 18,782 | 229 | 42,466 | 517 | 38,596 | 470 | 40,174 | 489 | 57,686 | 10,016 | 137 | 22,646 | 309 | 20,582 | 281 | 21,424 | 292 |
| 1985 ¹⁴ | 67,809 | 17,779 | 222 | 40,901 | 511 | 37,329 | 466 | 38,694 | 483 | 56,296 | 9,328 | 155 | 21,459 | 356 | 19,585 | 325 | 20,301 | 337 |
| 1984 ¹⁵ | 66,454 | 17,026 | 156 | 40,514 | 372 | 36,995 | 340 | 38,328 | 352 | 55,226 | 8,675 | 138 | 20,642 | 329 | 18,849 | 300 | 19,528 | 311 |
| 1983 | 65,138 | 16,072 | 145 | 39,835 | 359 | 36,240 | 327 | 37,685 | 340 | 53,108 | 8,230 | 99 | 20,398 | 245 | 18,557 | 223 | 19,297 | 232 |
| 1982 | 64,730 | 15,373 | 143 | 39,730 | 370 | 36,139 | 337 | 37,586 | 350 | 51,820 | 7,686 | 92 | 19,864 | 238 | 18,069 | 216 | 18,792 | 225 |
| 1981 | 65,233 | 15,061 | 142 | 41,274 | 388 | 37,372 | 351 | 39,047 | 367 | 51,940 | 7,222 | 85 | 19,792 | 234 | 17,921 | 212 | 18,724 | 221 |
| 1980 | 64,730 | 14,011 | 160 | 42,022 | 479 | 37,882 | 432 | 39,754 | 453 | 51,448 | 6,624 | 89 | 19,867 | 266 | 17,910 | 240 | 18,795 | 252 |

| | | | | | | | | | | | | | | | | | | |
|------------------------|--------|--------|-----|--------|-----|--------|-----|--------|-----|--------|-------|----|--------|-----|--------|-----|--------|-----|
| 1979 ¹⁶ | 64,648 | 12,948 | 143 | 43,183 | 477 | 38,779 | 428 | 40,853 | 451 | 50,897 | 5,977 | 84 | 19,934 | 280 | 17,901 | 251 | 18,858 | 265 |
| 1978 | 62,903 | 12,133 | 97 | 44,302 | 354 | 39,566 | 316 | 41,911 | 335 | 48,398 | 5,249 | 79 | 19,166 | 288 | 17,117 | 257 | 18,132 | 272 |
| 1977 | 61,704 | 11,037 | 94 | 43,064 | 366 | 38,495 | 327 | 40,740 | 346 | 46,194 | 4,674 | 67 | 18,237 | 263 | 16,302 | 235 | 17,253 | 249 |
| 1976 ¹⁷ | 60,450 | 10,301 | 77 | 42,728 | 321 | 38,265 | 287 | 40,422 | 304 | 44,565 | 4,296 | 66 | 17,820 | 273 | 15,959 | 244 | 16,858 | 258 |
| 1975 ¹⁸ | 59,268 | 9,674 | 85 | 42,436 | 375 | 37,908 | 335 | 40,146 | 355 | 42,926 | 3,953 | 69 | 17,340 | 303 | 15,490 | 271 | 16,404 | 287 |
| 1974 ^{18, 19} | 59,866 | 9,121 | N | 43,299 | N | 38,719 | N | 40,962 | N | 42,854 | 3,563 | N | 16,914 | N | 15,125 | N | 16,001 | N |

N Not available.

¹ A margin of error (MOE) is a measure of an estimate's variability. The larger the MOE in relation to the size of the estimate, the less reliable the estimate. This number, when added to and subtracted from the estimate, forms the 90 percent confidence interval. MOEs shown in this table are based on standard errors

² Estimates reflect the implementation of an updated processing system and should be used to make comparisons to 2018 and subsequent years.

³ The 2014 CPS ASEC included redesigned questions for income and health insurance coverage. All of the approximately 98,000 addresses were eligible to receive the redesigned set of health insurance coverage questions. The redesigned income questions were implemented to a subsample of these 98,000 addresses

⁴ The source of these 2013 estimates is the portion of the CPS ASEC sample which received the income questions consistent with the 2013 CPS ASEC, approximately 68,000 addresses.

⁵ Implementation of 2010 Census-based population controls.

⁶ Median earnings are calculated using \$2,500 intervals. Beginning with 2009 income data, the Census Bureau expanded the upper income intervals used to calculate medians to \$250,000 or more. Medians falling in the upper open-ended interval are plugged with "\$250,000." Before 2009, the upper open-ended

⁷ Data have been revised to reflect a correction to the weights in the 2005 CPS ASEC.

⁸ Implementation of a 28,000 household sample expansion.

⁹ Implementation of 2000 Census-based population controls.

¹⁰ Full implementation of 1990 Census-based sample design and metropolitan definitions, 7,000 household sample reduction, and revised editing of responses on race.

¹¹ Introduction of 1990 Census sample design.

¹² Data collection method changed from paper and pencil to computer-assisted interviewing. In addition, the 1994 CPS ASEC was revised to allow for the coding of different income amounts on selected questionnaire items. Limits either increased or decreased in the following categories: earnings limits increased to

¹³ Implementation of 1990 Census population controls.

¹⁴ Implementation of a new CPS ASEC processing system.

¹⁵ Recording of amounts for earnings from longest job increased to \$299,999. Full implementation of 1980 Census-based sample design.

¹⁶ Implementation of Hispanic population weighting controls and introduction of 1980 Census-based sample design.

¹⁷ Implementation of 1980 Census population controls. Questionnaire expanded to allow the recording of up to 27 possible values from a list of 51 possible sources of income.

¹⁸ First year medians were derived using both Pareto and linear interpolation. Before this year, all medians were derived using linear interpolation.

¹⁹ Some of these estimates were derived using Pareto interpolation and may differ from published data, which were derived using linear interpolation.

Note: Inflation-adjusted estimates may differ slightly from other published data due to rounding. Details of the Consumer Price Index for All Urban Consumers (CPI-U) are available at <www.bls.gov/cpi/questions-and-answers.htm>. The CPI Research Series Using Current Methods (R-CPI-U-RS) is described at <www.bls.gov/cpi/research-series/home.htm>. The Chained Consumer Price Index for All Urban Consumers (C-CPI-U) is described at <www.bls.gov/cpi/additional-resources/chained-cpi.htm>. The Personal Consumption Expenditure Prices Index (PCEPI) is described at <www.bea.gov/data/personal-consumption-expenditures-price-index>. The current method for historical income adjustment uses the R-CPI-U-RS from 1978 to the present and the CPI-U-X1 from 1967 to 1977. The CPI-U-X1 was an experimental series that preceded the R-CPI-U-RS and shows what the inflation rate in the CPI-U might have been, if the current rental equivalence method of measuring the cost of homeownership had been in place prior to 1983.

Source: U.S. Census Bureau, Current Population Survey, 1975 to 2021 Annual Social and Economic Supplements (CPS ASEC).